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WATER SUPPLY OUTLOOK FOR NEVADA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE - SOIL CONSERVATION SERVICE.
and

NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above
in cooperation with Federal, State and private organizations listed on
the last page of this report.

AS OF
MAR. 1, 1967

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation or snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Listed below are water supply outlook reports based on Federal-State-Private Cooperative snow surveys. Those published by the Soil Conservation Service may be obtained from Soil Conservation Service, Room 507, Federal Building, 701 N. W. Glisan, Portland, Oregon 97209.

PUBLISHED BY SOIL CONSERVATION SERVICE

D. A. WILLIAMS, Administrator

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 507, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

| STATE | ADDRESS |
|--------------------|---|
| Alaska | P. O. Box "F", Palmer, Alaska 99645 |
| Arizona | 6029 Federal Building, Phoenix, Arizona 85205 |
| Colorado (N. Mex.) | 12417 Federal Building, Denver, Colorado 80202 |
| Idaho | P. O. Box 38, Boise, Idaho 83701 |
| Montana | P. O. Box 855, Bozeman, Montana 59715 |
| Nevada | P. O. Box 4850, Reno, Nevada 89505 |
| Oregon | 1218 S. W. Washington St., Portland, Oregon 97205 |
| Utah | 4001 Federal Building, Salt Lake City, Utah 84111 |
| Washington | 840 Bon Marche Bldg., Spokane, Washington 99206 |
| Wyoming | P. O. Box 340, Casper, Wyoming 82602 |

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK for NEVADA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Report Issued by

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STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
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MARCH 8, 1967

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SNOW SURVEY SUPERVISOR

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ALPHABETICAL INDEX TO NEVADA SNOW COURSES

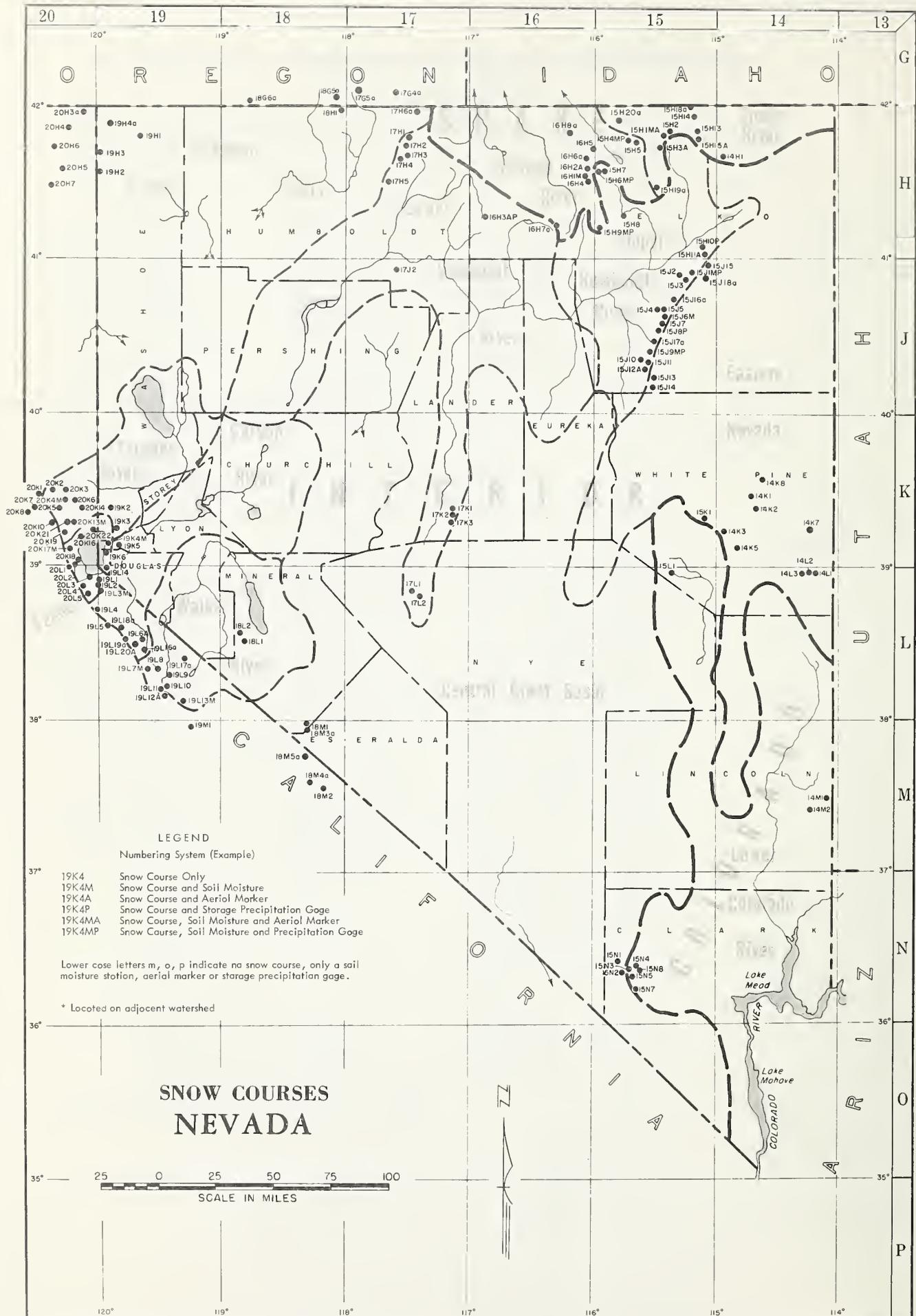
This alphabetical tabulation of snow courses has been prepared to provide readers with rapid access to basic snow survey data. The reader is referred to the "Index to Nevada Snow Courses by basins" and "Nevada Snow Courses" map on the next page for other detailed information such as location, elevation, basin and sub-basin, state and numbering system legend.

| SNOW COURSE | NO. | PLATE | SNOW COURSE | NO. | PLATE |
|----------------------|--------|--------|--------------------|--------|-------|
| AMERICAN BEAUTY | 15J17a | 8,11 | LAMOILLE #1 | 15J4 | 8,11 |
| BAKER #1 | 14L1 | 7 | LAMOILLE #2 | 15J5 | 8,11 |
| BAKER #2 | 14L2 | 7 | LAMOILLE #3 | 15J6M | 8,11 |
| BAKER #3 | 14L3 | 7 | LAMOILLE #4 | 15J7 | 8,11 |
| BALO MOUNTAIN | 19H1 | 13 | LAMOILLE #5 | 15J8 | 8,11 |
| BARBER CREEK | 20H5 | 13 | LAPON MEADOW | 18L1 | 5 |
| BEAR CREEK | 15H1MA | 10,11 | LAUREL DRAW | 16H5 | 10 |
| BERRY CREEK | 14K2 | 7 | LEAVITT MEADOWS | 19L8 | 5 |
| BIG BENO | 15H4MP | 10,11 | LEE CANYON #1 | 15N4 | 6 |
| BIG CREEK CAMPGROUND | 17K1 | 6 | LEE CANYON #2 | 15N3 | 6 |
| BIG CREEK MINE | 17K2 | 6 | LEE CANYON #3 | 15N8 | 6 |
| BIG CREEK, UPPER | 17K3 | 6 | LITTLE BALLY MTN. | 19H4a | 13 |
| BIRD CREEK | 14K1 | 7 | LITTLE VALLEY | 19K3 | 2 |
| BLUE LAKES | 19L5 | 3,4 | LOBELOU LAKE | 19L17a | 5 |
| BOCA #2 | 20K14 | 2,4 | LOUSE CANYON | 17G4a | 12 |
| BRICKWAY SUMMIT | 20K22 | 2 | LOWER CORRAL | 17L1 | 6 |
| BUCKEYE FORKS | 19L11 | 5 | MARLETT LAKE | 19K4M | 2,3 |
| BUCKEYE ROUGHS | 19L10 | 5 | MARTIN CREEK | 17H3 | 11,12 |
| BUCKSKIN, LOWER | 17H2 | 11,12 | MATHEW CANYON | 14M1 | 6 |
| BUCKSKIN, UPPER | 17H1 | 11,12 | MERRITT MTN. | 15H20 | 10 |
| CAMPITO MOUNTAIN | 18M2 | 6 | MIOAS | 16H3AP | 10,11 |
| CARSON PASS, UPPER | 19L4 | 3,4 | MONTGOMERY PASS | 18M1 | 6 |
| CAVE CREEK | 15J13 | 7,8,11 | MT. GRANT | 18L2 | 5 |
| CEOAR PASS | 20H6 | 13 | MT. ROSE | 19K2 | 2 |
| CENTER MOUNTAIN | 19L12A | 5 | MURRAY SUMMIT | 14K3 | 7 |
| CHIATOVICH FLAT | 18M5 | 6 | OREGON CANYON | 17G5a | 12 |
| CLARK CANYON | 15N2 | 6 | PINCHOT CREEK | 18M3a | 6 |
| CLEAR CREEK | 19K5 | 3,4 | PINE CANYON | 14M2 | 6 |
| COLUMBIA BASIN | 16H6a | 10 | POISON FLAT | 19L6A | 3,4 |
| CORRAL CANYON | 15J12A | 8,11 | POLE CANYON | 15J18a | 8,11 |
| OAGGETTS PASS | 19L14 | 2,3,4 | QUINN RIDGE | 17H6a | 12 |
| DENIO CREEK | 18G6a | 12 | RAINBOW CANYON #2 | 15N7 | 6 |
| DISASTER PEAK | 18H1 | 12 | REO POINT | 15H18a | 9 |
| OISMAL SWAMP | 20H3a | 13 | RESERVATION CREEK | 20H4 | 13 |
| ONNER PARK #2 | 20K21 | 2 | RICHARDSONS #2 | 20L3 | 2 |
| ONNER SUMMIT | 20K10 | 2,4 | ROBINSON LAKE | 15J16a | 8,11 |
| ORSEY BASIN | 15J1MP | 8,11 | ROBISON SUMMIT | 15K1 | 7 |
| ORY CREEK | 15J3 | 8,11 | ROEO FLAT | 15H6MP | 10,11 |
| EAGLE PEAK | 20H7 | 13 | RUBICON #1 | 20L1 | 2 |
| EBBETTS PASS | 19L19a | 3 | RUBICON #2 | 20L2 | 2 |
| ECHO SUMMIT | 20L5 | 2,3,4 | RYAN RANCH | 15J2 | 8,11 |
| FAWN CREEK | 16H8a | 10 | SAGE HEN CREEK | 20K6 | 2,4 |
| FOROYCE LAKE | 20K7 | 2,4 | 76 CREEK | 15H3A | 10,11 |
| 49-MTN. | 19H3 | 13 | SILVER CREEK #2 | 14K7 | 7 |
| FOX CREEK | 15H2 | 10 | SONORA PASS | 19L7M | 3,5 |
| FREEL BENCH | 19L2 | 2 | 5QAW VALLEY #2 | 20K19 | 2 |
| FRY CANYON | 15H7 | 10,11 | 5TAG MTN. | 15H19a | 10,11 |
| FURNACE FLAT | 20K8 | 2,4 | TAHOE CITY | 20K16 | 2,4 |
| GLENBROOK #2 | 19K6 | 2,3 | TAYLOR CANYON | 15H9MP | 10,11 |
| GOAT CREEK | 15H13 | 9 | TIOGA PASS | 19M1 | 5 |
| GOLCONOA #2 | 17J2 | 11 | TOE JAM | 16H7a | 10,11 |
| GOLCOONA #2 | 15H5 | 10,11 | TREMEWAN RANCH | 15H8 | 10,11 |
| GRANITE PEAK | 17H4 | 11,12 | TROUGH SPRINGS | 15N1 | 6 |
| GREEN MOUNTAIN | 15J9MP | 8,11 | TROUT CREEK | 18G5a | 12 |
| HAGANS MEADOW | 19L3M | 2,4 | TROUT CREEK, LOWER | 15H10P | 8,11 |
| AGER CANYON | 15J14 | 7,8,11 | TROUT CREEK, UPPER | 15H11A | 8,11 |
| HARRISON PASS #1 | 15J10 | 8,11 | TRUCKEE #2 | 20K13M | 2 |
| HARRISON PASS #2 | 15J11 | 8,11 | UPPER CORRAL | 17L2 | 6 |
| HAYS CANYON | 19H2 | 13 | UPPER FISH VALLEY | 19L16a | 3 |
| HOLE-IN-MOUNTAIN | 15J15 | 8,11 | UPPER TRUCKEE | 19L1 | 2 |
| HUMMINGBIRD SPRINGS | 15H15A | 9,11 | VIRGINIA LAKES | 19L13M | 5 |
| INOPENDENCE CAMP | 20K4M | 2,4 | WARO CREEK | 20K17M | 2,4 |
| INOPENDENCE CREEK | 20K3 | 2 | WARO MOUNTAIN #2 | 14K5 | 7 |
| INOPENDENCE LAKE | 20K5 | 2 | WEBBER LAKE | 20K2 | 2 |
| JACK CREEK, LOWER | 16H1M | 10,11 | WEBBER PEAK | 20K1 | 2 |
| JACK CREEK, UPPER | 16H2A | 10,11 | WET MEADOWS LAKE | 19L18a | 3 |
| JACKS PEAK | 16H4 | 10,11 | WHITE RIVER #1 | 15L1 | 7 |
| JAKES CREEK | 14H1 | 9 | WILLOW FLAT | 19L9 | 5 |
| KALAMAZOO CREEK | 14K8 | 7 | WOLF CREEK | 19L20a | 3 |
| KYLE CANYON | 15N5 | 6 | | | |
| LAKE LUCILLE | 20L4 | 2 | | | |
| LAMANCE CREEK | 17H5 | 11,12 | | | |

INDEX TO NEVADA SNOW COURSES

(By Basins)

| NUMBER | NAME | SEC. | TWP. | RGE. | ELEV. | NUMBER | NAME | SEC. | TWP. | RGE. | ELEV. |
|-----------------------------|---------------------------|--------|------|------|-------|--------|---------------------------|------|------|------|-------|
| SNAKE RIVER BASIN | | | | | | | | | | | |
| 15H1MA | BEAR CREEK | 31 | 46N | 58E | 7800 | 19L14 | OAGGETTS PASS | 19 | 13N | 19E | 7350 |
| 15H2 | FOX CREEK | 33 | 46N | 58E | 6800 | 19L5 | ECHO SUMMIT (CAL.) | 6 | 11N | 18E | 7450 |
| 15H13 | GOAT CREEK | 31 | 46N | 60E | 8800 | 19L2 | FREEL BENCH (CAL.) | 36 | 12N | 18E | 7300 |
| 15H15A | HUMMINGBIRD SPRINGS | 6 | 45N | 60E | 8945 | 19K6 | GLENBROOK #2 | 13 | 14N | 18E | 6000 |
| 14H1 | JAMES CREEK | 6 | 42N | 62E | 7000 | 19L3M | HAGANS MEADOW (CAL.) | 36 | 12N | 18E | 8000 |
| 15H20a | MERRITT MOUNTAIN | 10 | 46N | 54E | 7000 | 20L4 | LAKES LUCILLE (CAL.) | 28 | 12N | 17E | 8200 |
| 15H14 | POLE CREEK RANGER STATION | 13 | 46N | 59E | 8330 | 19K4M | MARLETTE LAKE | 18 | 15N | 19E | 8000 |
| 15H18a | REO POINT | 15 | 47N | 61E | 7940 | 20L3 | RICHARDSONS #2 (CAL.) | 6 | 16N | 18E | 6500 |
| 15H3A | 76 CREEK | 6 | 44N | 58E | 7100 | 20L2 | RUBICON #1 (CAL.) | 6 | 13N | 17E | 8100 |
| 15H19a | STAG MTN. | 29 | 41N | 58E | 7800 | 20K6 | RUBICON #2 (CAL.) | 6 | 15N | 17E | 7500 |
| OWYHEE RIVER | | | | | | | | | | | |
| 15H4MP | BIG BEND | 30 | 45N | 56E | 6700 | 19L1 | TAHOE CITY (CAL.) | 21 | 12N | 18E | 6400 |
| 16H6a | COLUMBIA BASIN | 31 | 44N | 53E | 6650 | 20K17M | UPPER TRUCKEE (CAL.) | 21 | 15N | 16E | 7000 |
| 16H8a | FAWN CREEK | 2 | 45N | 52E | 7000 | | WARD CREEK (CAL.) | | | | |
| 15H5 | GOLO CREEK | 32 | 45N | 56E | 6600 | | | | | | |
| 16H1M | JACK CREEK, LOWER | 18 | 42N | 53E | 6800 | | | | | | |
| 16H2A | JACK CREEK, UPPER | 9 | 42N | 53E | 7250 | | | | | | |
| 16H4 | JACKS PEAK | 28 | 42N | 53E | 8420 | | | | | | |
| 16H5 | LAUREL DRAW | 20 | 45N | 53E | 6700 | | | | | | |
| 17G4a | LOUSE CANYON (OREG.) | 27 | 40S | 44E | 6440 | | | | | | |
| 15H9MP | TAYLOR CANYON | 35 | 39N | 53E | 6200 | | | | | | |
| INTERIOR | | | | | | | | | | | |
| UPPER HUMBOLDT RIVER | | | | | | | | | | | |
| 15J17a | AMERICAN BEAUTY | 32 | 31N | 58E | 7800 | 20K14 | BOCA #2 (CAL.) | 28 | 18N | 17E | 5900 |
| 16H6a | COLUMBIA BASIN | 31 | 44N | 53E | 6650 | 20K22 | BROCKWAY SUMMIT (CAL.) | 3 | 17N | 16E | 7100 |
| 15J12a | CORRAL CANYON | 27 | 28N | 57E | 8500 | 20K21 | ONNER PARK #2 (CAL.) | 18 | 17N | 16E | 6000 |
| 15J1MP | DORSERY BASIN | 28 | 35N | 60E | 8100 | 20K10* | ONNER SUMMIT (CAL.) | 25 | 17N | 14E | 6900 |
| 15J3 | DRY CREEK | 5 | 34N | 60E | 6500 | 20K7* | FOROYCE LAKE (CAL.) | 34 | 18N | 13E | 6500 |
| 15J7 | FRY CANYON | 3 | 43N | 54E | 6700 | 20KB | FURNACE FLAT (CAL.) | 10 | 17N | 13E | 6700 |
| 15J9MP | GREEN MOUNTAIN | 23 | 29N | 54E | 6700 | 20K4MP | INOPENDOENCE CAMP (CAL.) | 34 | 19N | 15E | 7000 |
| 15J10 | HARRISON PASS #1 | 9 | 28N | 57E | 6000 | 20K3 | INOPENDOENCE CREEK (CAL.) | 14 | 19N | 15E | 6500 |
| 15J11 | HARRISON PASS #2 | 16 | 28N | 57E | 7400 | 20K5 | INOPENDOENCE LAKE (CAL.) | 9 | 18N | 15E | 8450 |
| 15J4 | LA MOILLE #1 | 15 | 32N | 58E | 7100 | 19K3 | LITTLE VALLEY | 17 | 16N | 19E | 6300 |
| 15J5 | LA MOILLE #2 | 14 | 32N | 58E | 7300 | 19K2 | MT. ROSE | 7 | 17N | 19E | 9000 |
| 15J6M | LA MOILLE #3 | 24 | 32N | 58E | 7700 | 20K6 | SAGE HEN CREEK (CAL.) | 7 | 18N | 16E | 6500 |
| 15J7 | LA MOILLE #4 | 19 | 32N | 59E | 8000 | 20K19 | SOUAN VALLEY #2 (CAL.) | 6 | 15N | 16E | 7500 |
| 15J8P | LA MOILLE #5 | 3 | 32N | 59E | 8700 | 20K13M | TRUCKEE #2 (CAL.) | 22 | 17N | 16E | 6400 |
| 15J18a | POLK CANYON | 31 | 35N | 61E | 9140 | 20K2 | WEBBER LAKE (CAL.) | 29 | 19N | 14E | 7000 |
| 15J16a | ROBINSON LAKE | 23 | 33N | 59E | 9260 | 20K1* | WEBBER PEAK (CAL.) | 30 | 19N | 14E | 8000 |
| 15H6MP | ROOKE FLAT | 36 | 43N | 53E | 6800 | | | | | | |
| 15J2 | RYAN RANCH | 1 | 34N | 59E | 5800 | | | | | | |
| 15H8 | TREMEWAN RANCH | 9 | 39N | 55E | 5700 | | | | | | |
| 15H10P | TROUT CREEK, LOWER | 28 | 37N | 61E | 6900 | | | | | | |
| 15H11a | TROUT CREEK, UPPER | 4 | 36N | 61E | 8500 | | | | | | |
| LOWER HUMBOLDT RIVER | | | | | | | | | | | |
| 17K1 | BIG CREEK CAMP GROUND | 10 | 17N | 43E | 6600 | | | | | | |
| 17K2 | BIG CREEK MINE | 23 | 17N | 43E | 7600 | | | | | | |
| 17K3 | BIG CREEK, UPPER | 26 | 17N | 43E | 8000 | | | | | | |
| 17H2 | BUCKSKIN, LOWER | 25 | 45N | 39E | 6700 | | | | | | |
| 17H1 | BUCKSKIN, UPPER | 11 | 45N | 39E | 8200 | | | | | | |
| 17J2 | GOLCONDA #2 | 22 | 35N | 39E | 6000 | | | | | | |
| 17H4 | GRANITE PEAK | 22 | 44N | 39E | 7800 | | | | | | |
| 17H5 | LAMANCE CREEK | 13 | 42N | 38E | 6000 | | | | | | |
| 17L1 | LOWER CORRAL | 12 | 11N | 40E | 7500 | | | | | | |
| 17H3 | MARTIN CREEK | 18 | 44N | 40E | 6700 | | | | | | |
| 16H3AP | MIOAS | 18 | 39N | 46E | 7200 | | | | | | |
| 18H7 | TOE JAM a | 29 | 40N | 50E | 7700 | | | | | | |
| 17L2 | UPPER CORRAL | 20 | 11N | 41E | 8500 | | | | | | |
| EASTERN NEVADA | | | | | | | | | | | |
| 14L1 | BAKER #1 | 29 | 19N | 69E | 7950 | | | | | | |
| 14L2 | BAKER #2 | 30 | 19N | 69E | 8950 | | | | | | |
| 14L3 | BAKER #3 | 25 | 19N | 68E | 9200 | | | | | | |
| 14K2 | BERRY CREEK | 23 | 17N | 65E | 9100 | | | | | | |
| 14K1 | BIRDO CREEK | 34 | 19N | 55E | 7500 | | | | | | |
| 15J13 | CAVE CREEK | 25 | 27N | 52E | 7500 | | | | | | |
| 15J14 | HAGER CANYON | 34 | 27N | 57E | 8000 | | | | | | |
| 15J15 | HOLE-IN-MTN | 6 | 35N | 61E | 7900 | | | | | | |
| 14K8 | KALAMAZOO CREEK | 34 | 20N | 65E | 7400 | | | | | | |
| 14K3 | MURRAY SUMMIT | 26 | 16N | 62E | 7250 | | | | | | |
| 15K1 | ROBINSON SUMMIT | 23 | 18N | 61E | 7600 | | | | | | |
| 14K7 | SILVER CREEK #2 | 30 | 16N | 69E | 8000 | | | | | | |
| 14K5 | WARO MOUNTAIN #2 | 25 | 15N | 62E | 7875 | | | | | | |
| 15L1 | WHITE RIVER #1 | 31 | 13N | 59E | 7400 | | | | | | |
| CENTRAL GREAT BASIN | | | | | | | | | | | |
| 18M2 | CAMPITO MTN (CAL.) | 19 | 55 | 35E | 10200 | | | | | | |
| 18M5a | CHTOVICH FLAT | 32 | 25 | 34E | 10500 | | | | | | |
| 15N2 | CLARK CANYON | 8 | 19S | 56E | 9000 | | | | | | |
| 18M1 | MONTGOMERY PASS | 4 | 1N | 33E | 7100 | | | | | | |
| 18M3a | PINCHOT CREEK | 28 | 1N | 33E | 9300 | | | | | | |
| 18M4a | PIUTE PASS (CAL.) | 33 | 45 | 33E | 11700 | | | | | | |
| 15N1 | TROUGH SPRINGS | 23 | 18S | 55E | 8500 | | | | | | |
| NORTHERN GREAT BASIN | | | | | | | | | | | |
| 19H1 | BALO MOUNTAIN | 17 | 45N | 21E | 6720 | | | | | | |
| 20H5 | BARBER CREEK (CAL.) | 23 | 39N | 16E | 6500 | | | | | | |
| 20H6 | CEOAR PASS (CAL.) | 12 | 43N | 14E | 7100 | | | | | | |
| 18G6a | DEOLO CREEK (OREG.) | 14 | 41S | 34E | 6000 | | | | | | |
| 19H1 | DISASTER LAKE | 8 | 47N | 34E | 6500 | | | | | | |
| 20H3a | DR SMALL SWAMP (CAL.) | 31 | 48N | 22E | 7000 | | | | | | |
| 20H7 | EAGLE PEAK (CAL.) | 35 | 40N | 15E | 7200 | | | | | | |
| 19H3 | 4-MTN | 7 | 42N | 19E | 6000 | | | | | | |
| 19H2 | HAYS CANYON | 1 | 39N | 18E | 6400 | | | | | | |
| 19H4a | LITTLE BALLY MTN | 8 | 45N | 19E | 6000 | | | | | | |
| 17G5a | OREGON CANYON (OREG.) | 9 | 40S | 40E | 7240 | | | | | | |
| 17H6a | QUINN RIDGE | 9 | 47N | 41E | 6300 | | | | | | |
| 20H4 | RESERVATION CREEK (CAL.) | 12 | 46N | 15E | 5900 | | | | | | |
| 18G5a | TROUT CREEK (OREG.) | 10 | 41S | 38E | 7800 | | | | | | |
| LAKE TAHOE | | | | | | | | | | | |
| 19L14 | OAGGETTS PASS | 19L1 | 13N | 19E | 7350 | | | | | | |
| 20L5 | ECHO SUMMIT (CAL.) | 6 | 11N | 18E | 7450 | | | | | | |
| 19L2 | FREEL BENCH (CAL.) | 36 | 12N | 18E | 7300 | | | | | | |
| 19K6 | GLENBROOK #2 | 13 | 14N | 18E | 6000 | | | | | | |
| 19L3M | HAGANS MEADOW (CAL.) | 36 | 12N | 18E | 8000 | | | | | | |
| 20L4 | LAKES LUCILLE (CAL.) | 28 | 12N | 17E | 8200 | | | | | | |
| 19K4M | MARLETTE LAKE | 18 | 15N | 19E | 8000 | | | | | | |
| 20L3 | RICHARDSONS #2 (CAL.) | 6 | 16N | 18E | 6500 | | | | | | |
| 20L2 | RUBICON #2 (CAL.) | 6 | 13N | 17E | 8100 | | | | | | |
| 20K6 | TAHOE CITY (CAL.) | 6 | 15N | 17E | 6250 | | | | | | |
| 19L1 | UPPER TRUCKEE (CAL.) | 21 | 12N | 18E | 6400 | | | | | | |
| 20K17M | WARD CREEK (CAL.) | 21 | 15N | 16E | 7000 | | | | | | |
| TRUCKEE RIVER | | | | | | | | | | | |
| 20K14 | BOCA #2 (CAL.) | 28 | 18N | 17E | 5900 | | | | | | |
| 20K22 | BROCKWAY SUMMIT (CAL.) | 3 | 17N | 16E | 7100 | | | | | | |
| 20K21 | ONNER PARK #2 (CAL.) | 18 | 17N | 16E | 6000 | | | | | | |
| 20K10* | ONNER SUMMIT (CAL.) | 25 | 17N | 14E | 6900 | | | | | | |
| 20K7* | FOROYCE LAKE (CAL.) | 34 | 18N | 13E | 6500 | | | | | | |
| 20KB | FURNACE FLAT (CAL.) | 10 | 17N | 13E | 6700 | | | | | | |
| 20K4MP | INOPENDOENCE CAMP (CAL.) | 34 | 19N | 15E | 7000 | | | | | | |
| 20K3 | INOPENDOENCE CREEK (CAL.) | 14 | 19N | 15E | 6500 | | | | | | |
| 20K5 | INOPENDOENCE LAKE (CAL.) | 9 | 18N | 15E | 8450 | | | | | | |
| 19K2 | MT. ROSE | 7 | 17N | 19E | 9000 | | | | | | |
| 20K6 | SAGE HEN CREEK (CAL.) | 7 | 18N | 16E | 6500 | | | | | | |
| 20K19 | SOUAN VALLEY #2 (CAL.) | 6 | 15N | 16E | 7500 | | | | | | |
| 20K13M | TRUCKEE #2 (CAL.) | 22 | 17N | 16E | 6400 | | | | | | |
| 20K2 | WEBBER LAKE (CAL.) | 29 | 19N | 14E | 7000 | | | | | | |
| 20K1* | WEBBER PEAK (CAL.) | 30 | 19N | 14E | 8000 | | | | | | |
| CARSON RIVER | | | | | | | | | | | |
| 19L5 | BLUE LAKES (CAL.) | 30 | 9N | 19E | 8000 | | | | | | |
| 19L4 | CARSON PASS, UPPER (CAL.) | 22 | 10N | 18E | 8600 | | | | | | |
| 19K5 | CLEAR CREEK | 6 | 14N | 19E | 7300 | | | | | | |
| 19L19a | EBBETS PASS (CAL.) | 17 | 8N | 20E | 8700 | | | | | | |
| 19L6A | POISON FLAT (CAL.) | 25 | 8N | 21E | 7900 | | | | | | |
| 19L16a | UPPER FISH VALLEY (CAL.) | 18 | 7N | 22E | 8050 | | | | | | |
| 19L20a | WOLF CREEK (CAL.) | 35</td | | | | | | | | | |



WATER SUPPLY OUTLOOK
FOR NEVADA

March 1, 1967

SNOW COVER

Snowfall was light during February, and, as a result, the water content of the March 1 snowpack did not show the increases usually expected for the month. Most of the south slopes which had snow on February 1 are now bare to high elevations. The water content of the snowpack now ranges from 54 percent of the March 1 average, on the Spring Mountains near Las Vegas, to 136 percent, on the Walker River.

SOIL MOISTURE

Watershed soils under the snowpack are generally well primed and are not expected to absorb much water from snow-melt runoff. Lower elevation soils have lost moisture near the surface, as a result of much below-average precipitation during February.

RESERVOIR STORAGE

Nevada's seven principal reservoirs, exclusive of Lakes Mead and Mohave, now hold 792,000 acre-feet of stored water. This is 109 percent of the March 1 average and 58 percent of usable capacity. Owyhee Reservoir had only 3,000 acre-feet on March 1, since storage is being held low due to damage of the structure.

STREAMFLOW FORECASTS

Streamflow forecasts for the April-July period range from 58 percent, on the Humboldt at Comus, to 135 percent, for the Little Truckee above Boca.

The Humboldt at Palisade is forecast to flow 115,000 acre-feet, or 66 percent of average, and the Owyhee near Owyhee is expected to flow 50,000 acre-feet, or 68 percent of average. East-slope Sierra streams are forecast to flow 115 to 135 percent of average during the April-July period. Lake Tahoe is expected to rise 1.70 feet after April 1.

The Truckee at Farad is forecast to flow 310,000 acre-feet (115% of average). The Carson at Carson City is forecast to flow 220,000 acre-feet (130% of average). The East Carson is expected to flow 224,000 acre-feet (125% of average). West Walker and East Walker are forecast to flow 175,000 acre-feet (125% of average) and 70,000 acre-feet (123% of average) respectively.

NEVADA STREAMFLOW FORECASTS - MARCH 1, 1967

The following summarized runoff forecasts are based principally on mountain snow cover and the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts.

| Basin and Forecast Stream | April-July, Streamflow Thousands Acre-Feet | | | | |
|--|--|--------------------------|-------------------------------|----------------------------|----------------------------|
| | Forecast 1967 | 15-Yr. Av. 1948-62 | 1967 as % of 15-Yr. Av. | Measured Runoff 1966 | Measured Runoff 1965 |
| <u>TRUCKEE RIVER</u> | | | | | |
| Little Truckee ³ River above Boca, California | 105 | 78 | 135 (110) (**) | 48 | 129 |
| Truckee River at Farad, Calif. ^{2,3} | 310 | 269 | 115 (110) | 155 | 320 |
| Lake Tahoe ^{1,3} | 1.70 | 1.47 | 116 (113) | .71 | 1.76 |
| <u>CARSON RIVER</u> | | | | | |
| East Carson near Gardnerville, Nev. | 224 | 179 | 125 | 127 | 235 |
| West Carson at Woodfords, Calif. | 65 | 52 | 125 | 37 | 72 |
| Carson River near Carson City, Nev. | 220 | 169 | 130 | 95 | 243 |
| Carson River at Ft. Churchill, Nev. | 200 | 155 | 129 | 80 | 218 |
| East Carson near Gardnerville, Nev. (Date of 200 c.f.s. flow) | 7/29 | 7/20 | -- | 6/27 | 8/27 |
| <u>WALKER RIVER</u> | | | | | |
| East Walker near Bridgeport, Calif. ⁴ | 70 | 57 | 123 | 38 | 88 |
| West Walker below E. Fork near Coleville, California | 175 | 140 | 125 | 98 | 186 |
| <u>COLORADO RIVER</u> | | | | | |
| Virgin River at Virgin, Utah ⁵ | 34 | 43 | 79 | 39 | NA |

(Continued)

NEVADA STREAMFLOW FORECASTS - MARCH 1, 1967 (Continued)

| Basin and Forecast Stream | April-July, Streamflow Forecast 1967 | Streamflow Thousands Acre-Feet | | | Measured Runoff | |
|--|--------------------------------------|--------------------------------|-------------------------|------|-----------------|--|
| | | 15-Yr. Av. 1948-62 | 1967 as % of 15-Yr. Av. | 1966 | 1965 | |
| <u>HUMBOLDT RIVER</u> | | | | | | |
| Lamoille Creek near Lamoille, Nev. | 25 | 26 | 96 | 7 | 34 | |
| So. Fk. Humboldt near Elko, Nev. | 46 | 60 | 77 | 11 | 93 | |
| Marys River above Hot Springs, Nev. | 26 | 34 | 76 | 11 | 52 | |
| North Fk. Humboldt at Devils Gate, Nev. | 27 | 34 | 79 | 7 | 43 | |
| Humboldt River at Palisade, Nev. | 115 | 173 | 66 | 54 | 247 | |
| Humboldt River at Comus, Nev. | 74 | 127 | 58 | 40 | 211 | |
| Martin Creek near Paradise, Nev. | 12 | 17 | 71 | 5 | 19 | |
| <u>SNAKE RIVER</u> | | | | | | |
| Owyhee River near Owyhee, Nev. ⁶ | 50 | 74 | 68 | 21 | 97 | |
| Owyhee River near Gold Creek, Nev. ⁶ | 15 | 22 | 68 | 6 | 28 | |
| Salmon Falls Creek near San Jacinto, Nevada ⁷ | 55 | 78 | 70 | 36 | 106 | |
| | 53 | 76 | 70 | 33 | 98 | |
| <u>SURPRISE VALLEY</u> | | | | | | |
| Bidwell Creek near Ft. Bidwell, Calif. ⁸ | 10.5 | 14.3* | 73 | NA | NA | |
| Mill Creek near Cedarville, Calif. ⁸ | 4.1 | 5.5 | 75 | 2.3 | 5.8 | |
| Deep Creek near Cedarville, Calif. ⁸ | 2.7 | 3.8 | 71 | 1.6 | 3.9 | |
| Eagle Creek near Eagleville, Calif. ⁸ | 4.0 | 5.2 | 77 | NA | 5.8 | |

1. Maximum rise, in feet, from April 1, assuming gates closed.
2. Exclusive of Tahoe and corrected for storage in Boca Reservoir.
3. Forecast issued by Truckee Basin Water Committee, composed of Truckee-Carson Irrigation District, Sierra Pacific Power Company, and Washoe County Water Conservation District.
4. For period April through August, corrected for storage in Bridgeport Reservoir.
5. April-June forecast; issued by SCS, Salt Lake City, Utah.
6. Corrected for storage in Wild Horse Reservoir.
7. March-Sept. and March-July forecasts respectively; issued by SCS, Boise, Idaho.
8. April-Sept. forecast; coordinated forecast of SCS and California Department of Water Resources, Snow Survey Units.

* Adjusted average.

** Number in parenthesis is forecast as percent of long-term average.

NA Not available.

STATUS OF RESERVOIR STORAGE

MARCH 1, 1967

| Basin and Stream | Reservoir | Usable Capacity (1000 AF) | USABLE STORAGE - 1000 ACRE FEET | | | |
|------------------|-------------|---------------------------|---------------------------------|--------|--------|----------------------------------|
| | | | 1967 | 1966 | 1965 | March 1 15-Yr. Av. 1948-62 |
| Owyhee | Wild Horse | 33 | 3 | 17 | 9* | 14 |
| Lower Humboldt | Rye Patch | 179 | 73 | 179 | 139 | 63 |
| Colorado | Mohave | 1,810 | 1,662 | 1,699 | 1,683 | 1,357 ** |
| Colorado | Mead | 27,217 | 15,617 | 15,589 | 11,361 | 17,037 |
| Tahoe | Tahoe | 732 | 444 | 540 | 486 | 395 |
| Truckee | Boca | 41 | 2 | 2 | 3 | 6 |
| Truckee | Prosser *** | 30 | 9 | 10 | 9 | Storage began 1/30/63 |
| Carson | Lahontan | 286 | 208 | 213 | 235 | 186 |
| West Walker | Topaz | 59 | 34 | 54 | 45 | 34 |
| East Walker | Bridgeport | 42 | 28 | 34 | 30 | 28 |

* Reservoir drained during summer to effect repairs to dam.

** 1950-62

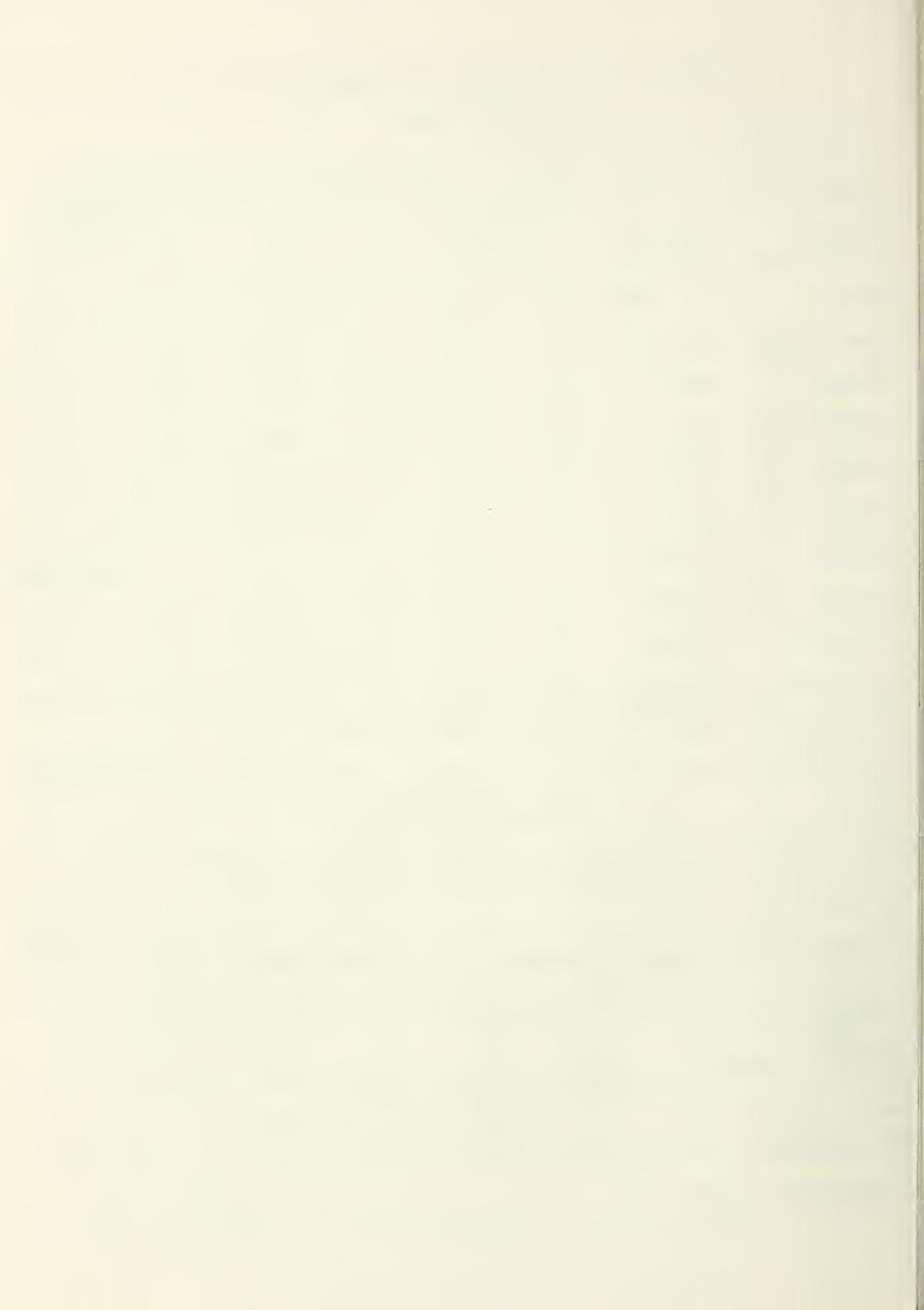
*** Flood control use allocation of 20,000 A.F. between November 1 and April 10.

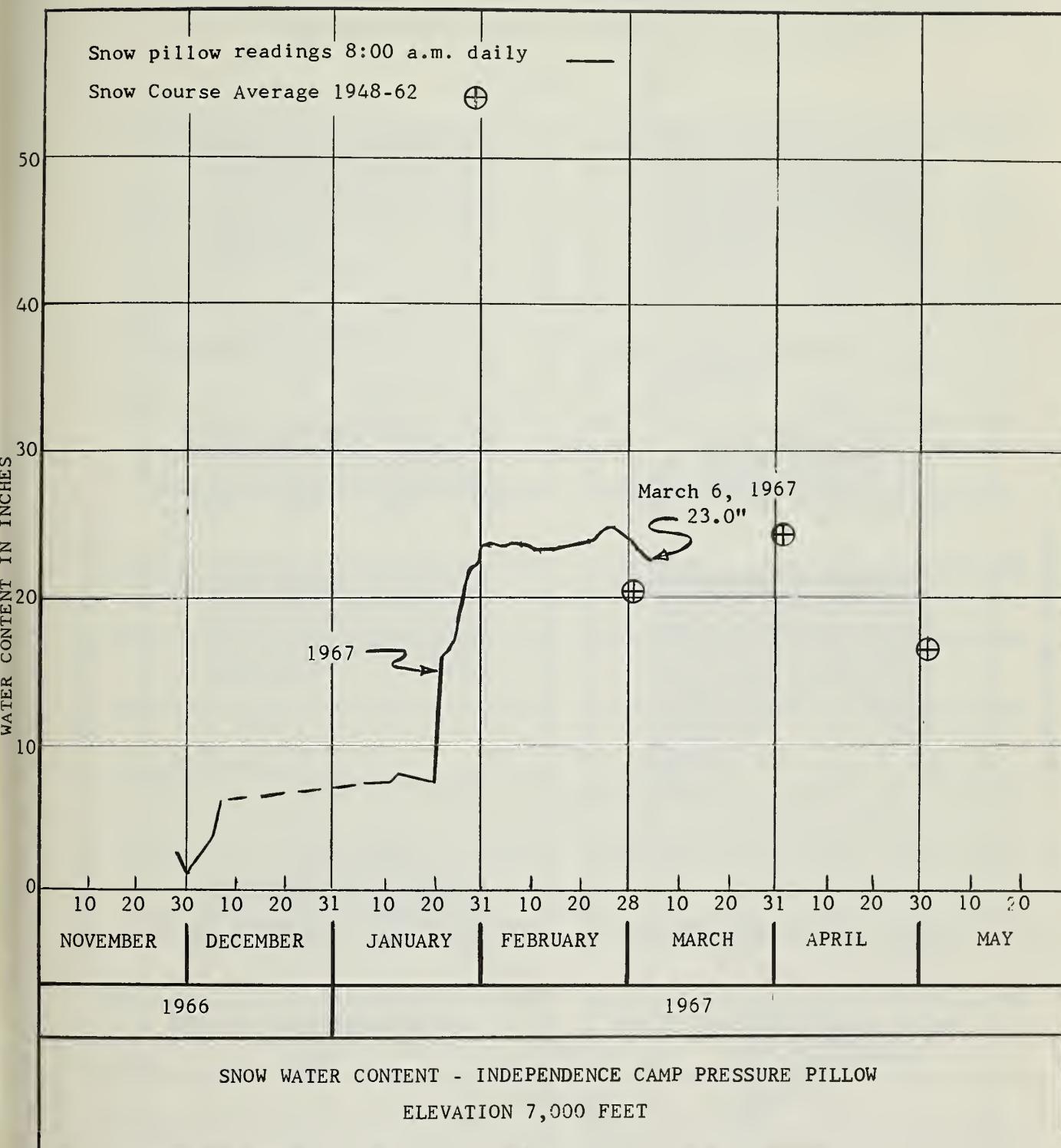
TOTAL RESERVOIR STORAGE

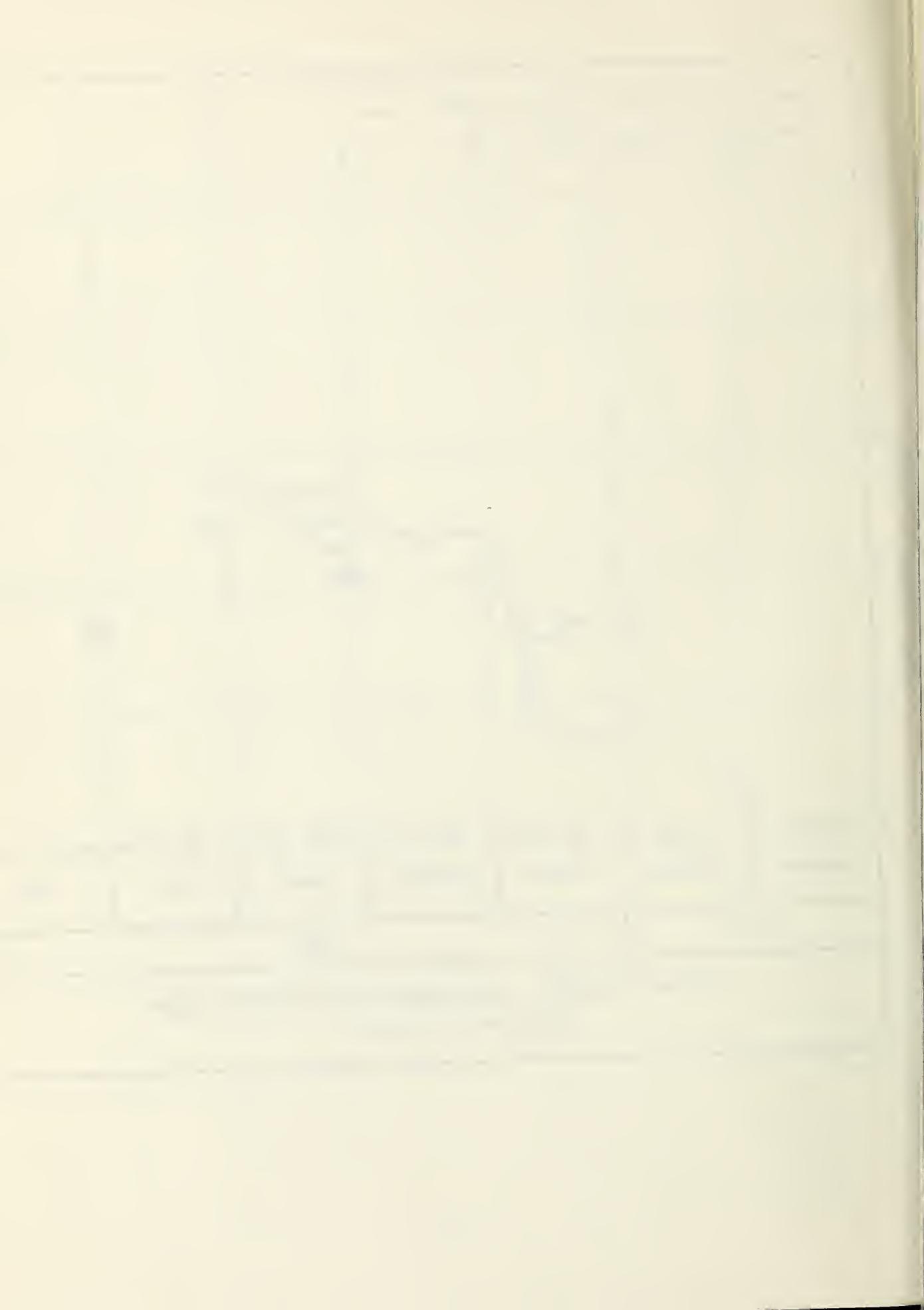
Developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1000's Acre-Feet

| Month | 1961-62 | 1962-63 | 1963-64 | 1964-65 | 1965-66 | 1966-67 | Average 1948-62 |
|------------|---------|---------|---------|---------|---------|---------|--------------------|
| October 1 | 68 | 338 | 702 | 497 | 1144 | 559 | 572 |
| January 1 | 59 | 408 | 748 | 789 | 1112 | 593 | 622 |
| February 1 | 74 | 579 | 776 | 922 | 1049 | 736 | 670 |
| March 1 | 208 | 690 | 774 | 949 | 1039 | 792 | 725 |
| April 1 | 316 | 765 | 774 | 1002 | 1052 | | 776 |
| May 1 | 502 | 840 | 818 | 1103 | 1089 | | 834 |

TOTAL USABLE CAPACITY 1,372



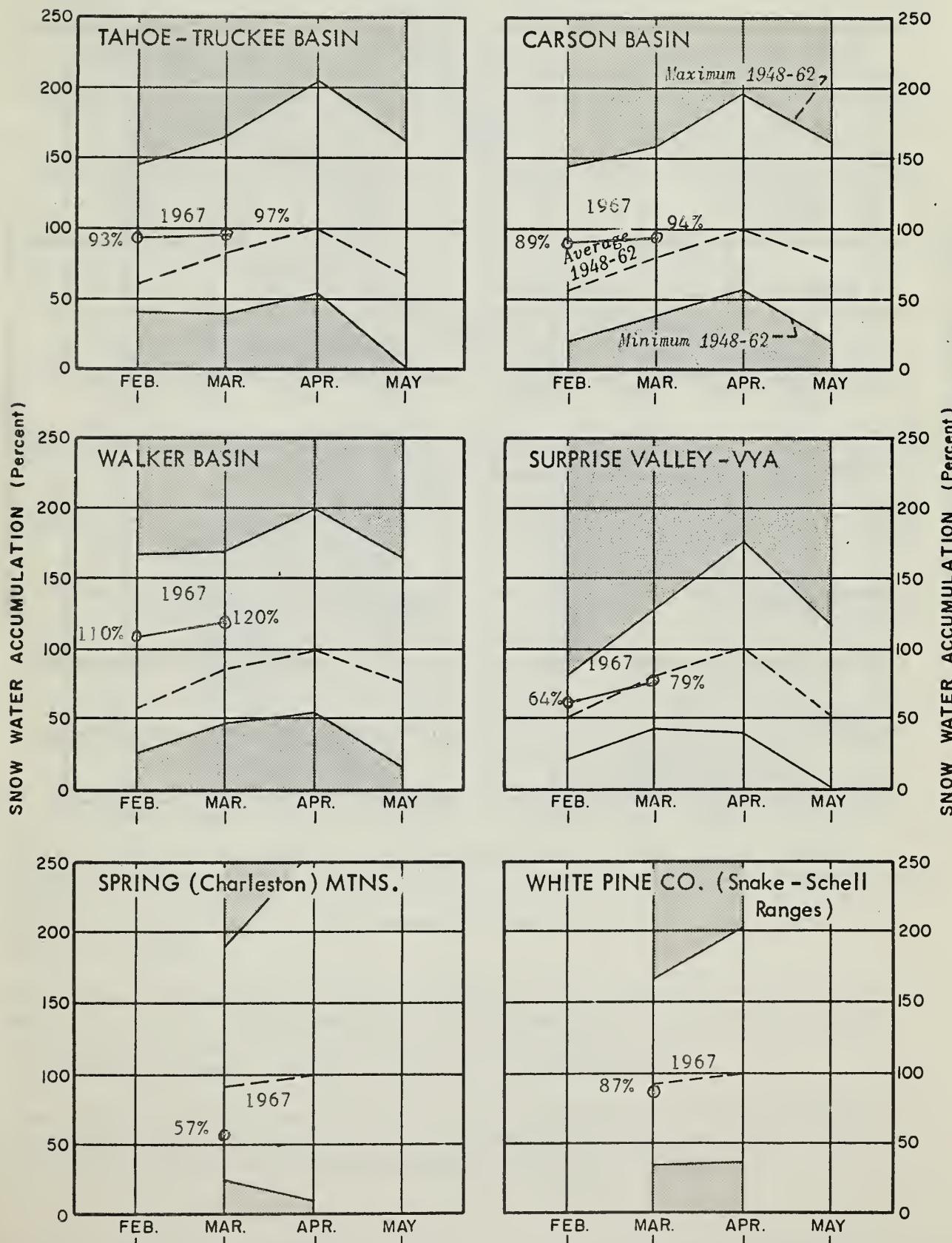




SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

As of March 1, 1967

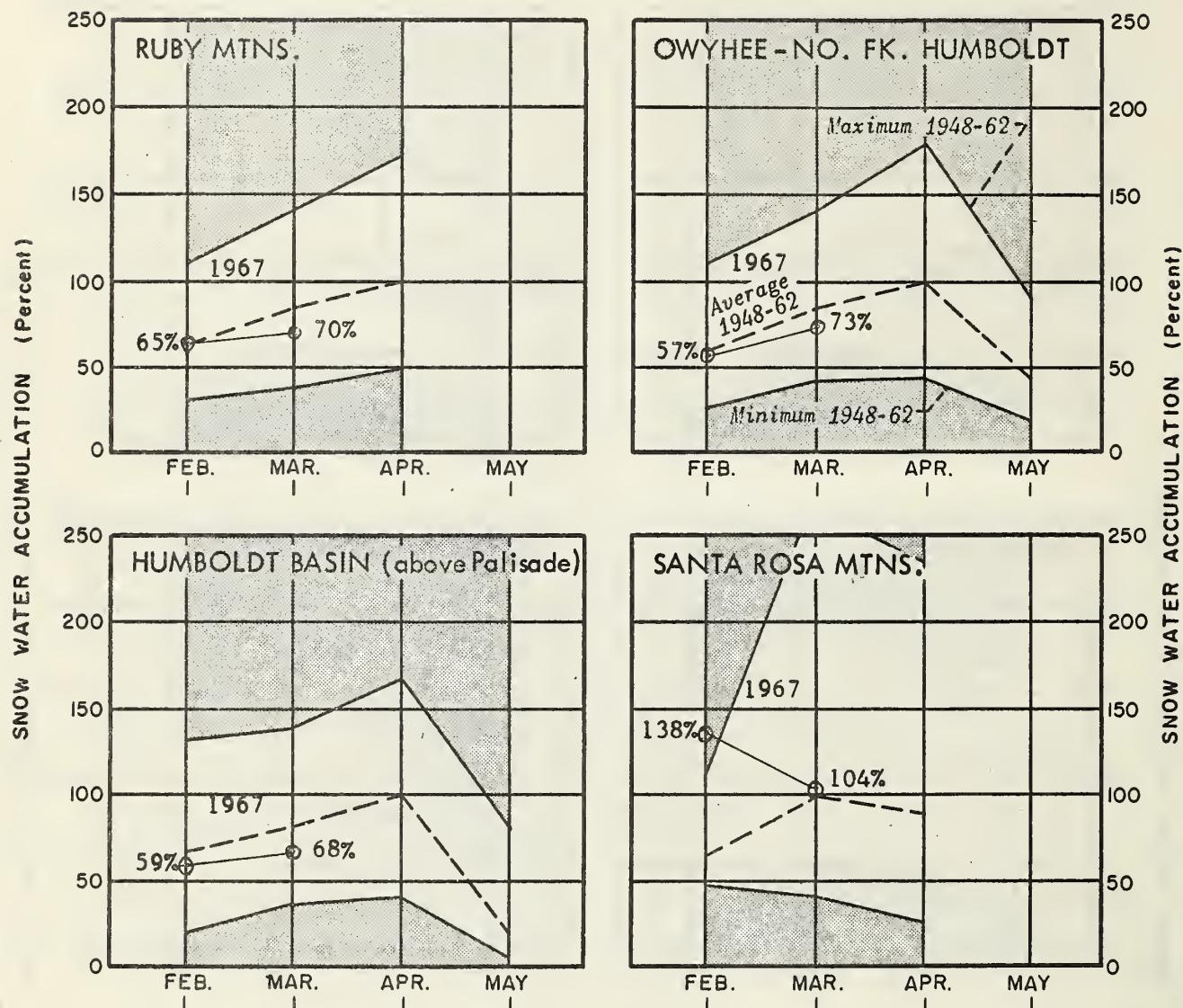


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SNOW WATER ACCUMULATION IN NEVADA

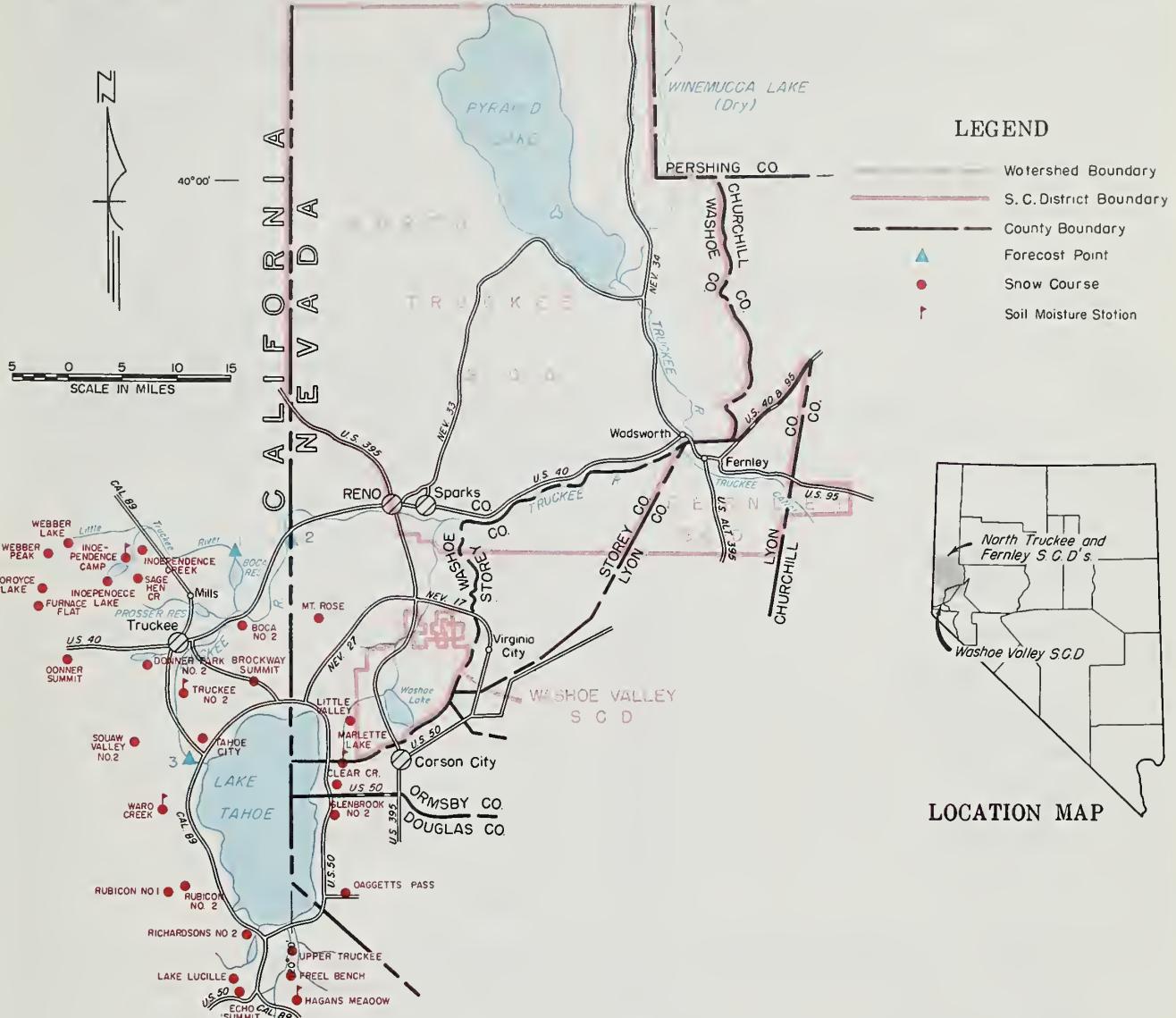
Percent of average maximum accumulation

As of March 1, 1967



WATER SUPPLY OUTLOOK

NORTH TRUCKEE, FERNLEY & WASHOE VALLEY S.C.D.'S.
 WASHOE, STOREY & LYON COUNTIES, NEVADA



March 1, 1967

A "near average" water supply is in prospect for the Lake Tahoe-Truckee Basins during the 1967 irrigation season. Water content of the snowpack still ranges from average to 40 percent above average, with less than the average increase during February. The basin as a whole is 115 percent of the March 1 average.

Lake Tahoe held 444,000 acre-feet on March 1, 1967, and was at 6226.70 feet above sea level. The Truckee Basin Water Committee forecasts that the lake will rise 1.70 feet after April 1, assuming the gates are closed. The lake is expected to reach a maximum elevation of 6228.70 feet.

The Committee forecast April-July flow of the Truckee at Farad at 310,000 acre-feet, and the Little Truckee above Boca at 105,000 acre-feet. Donner Lake, Independence, and Boca Reservoir are expected to fill.

STORAGE (1,000 Ac. Ft.)

| RESERVOIR | USABLE CAPACITY | MEASURED (First of Month) | | |
|-----------------------------------|-----------------|---------------------------|-----------|---------|
| | | THIS YEAR | LAST YEAR | AVERAGE |
| Lake Tahoe | 732 | 444 | 540 | 395 |
| Boca | 41 | 2 | 2 | 6 |
| Prosser b/ | 29 | 9 | 10 | -- |
| b/ Flood control use allocation | | | | |
| 20,000 a.f. between 11/1 and 4/10 | | | | |

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

| FORECAST POINT | FORECAST THIS YEAR | MEASURED | |
|--|--------------------|-----------|---------|
| | | LAST YEAR | AVERAGE |
| 1. Little Truckee River above Boca | 105 | 48 | 78 |
| 2. Truckee River at Farad, Calif. | 310 | 155 | 269 |
| 3. Lake Tahoe rise (In feet from April 1, assuming gates closed) | 1.70 | .71 | 1.47 |

Note: Above forecasts prepared by Truckee Basin Water Committee

SNOW

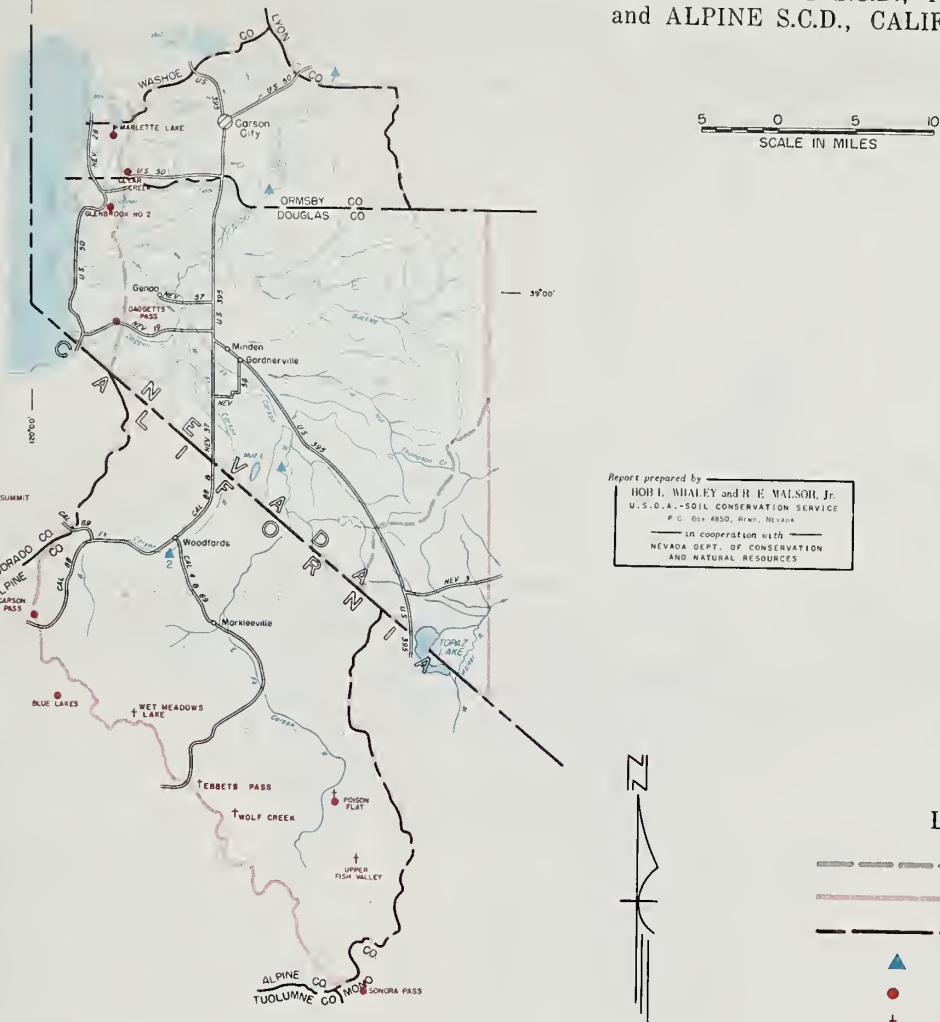
| SNOW COURSE | NAME | ELEVATION | CURRENT INFORMATION | | | PAST RECORD | |
|----------------------|------|-----------|---------------------|---------------------|------------------------|------------------------|-----------|
| | | | DATE OF SURVEY | SNOW DEPTH (inches) | WATER CONTENT (inches) | WATER CONTENT (inches) | LAST YEAR |
| LAKE TAHOE | | | | | | | |
| Daggetts Pass | 7350 | 2/27 | 38 | 14.7 | 11.3 | 11.2* | |
| Echo Summit | 7500 | 3/1 | 84 | 30.8 | 28.9 | 29.8 | |
| Freel Bench | 7300 | 2/28 | 26 | 12.1 | 12.2 | 12.0* | |
| Glenbrook #2 | 6900 | 2/25 | 42 | 13.9 | 11.7 | 11.6* | |
| Hagans Meadow | 8000 | 2/28 | 50 | 20.3 | 15.1 | 16.9* | |
| Little Valley | 6300 | 2/28 | 25 | 11.5 | 11.9 | 11.6* | |
| Marlette Lake | 8000 | 2/27 | 64 | 24.2 | 20.1 | 18.4 | |
| Richardsons #2 | 6500 | 2/25 | 49 | 17.4 | 15.7 | 17.6 | |
| Rubicon #1 | 8100 | 3/4 | 126 | 43.9 | 40.0 | 40.4* | |
| Rubicon #2 | 7500 | 3/4 | 74 | 26.4 | 28.5 | 24.7* | |
| Tahoe City | 6250 | 2/25 | 33 | 13.1 | 12.2 | 11.8 | |
| Upper Truckee | 6400 | 2/28 | 22 | 9.8 | 11.6 | 10.0* | |
| Ward Creek | 7000 | 3/1 | 96 | 41.0 | 35.6 | 38.6* | |
| TRUCKEE RIVER | | | | | | | |
| Boca #2 | 5900 | 2/24 | 22 | 6.8 | 7.0 | 7.2* | |
| Brockway Summit | 7100 | 3/1 | 53 | 22.1 | 14.8 | --- | |
| Donner Park #2 | 6000 | 2/24 | 53 | 19.2 | 18.3 | 17.5* | |
| Donner Summit | 6900 | 2/27 | 92 | 38.2 | 34.8 | 33.9 | |
| Fordyce Lake | 6500 | 2/27 | 79 | 31.0a | 36.9a | 33.8* | |
| Furnace Flat | 6600 | 2/27 | 96 | 43.0a | 41.4a | 39.3* | |
| Independence Camp | 7000 | 3/2 | 62 | 25.2 | 22.7 | 20.5* | |
| Independence Creek | 6500 | 3/2 | 42 | 17.5 | 14.4 | 13.7* | |
| Independence Lake | 8450 | 3/2 | 113 | 47.6 | 32.2 | 33.3* | |
| Sage Hen Creek | 6500 | 3/2 | 55 | 22.1 | 17.6 | 17.4* | |
| Squaw Valley #2 | 7500 | 3/6 | 117 | 49.9 | 39.7 | 44.9* | |
| Truckee #2 | 6400 | 3/3 | 45 | 17.7 | 14.8 | 16.7* | |

SOIL MOISTURE

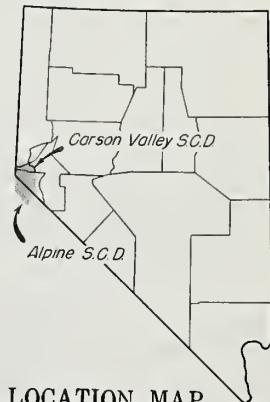
| STATION | PROFILE (Inches) | | | SOIL MOISTURE (Inches) | | |
|-------------------|------------------|----------|------|------------------------|-----------|-------------|
| | DEPTH | CAPACITY | DATE | THIS YEAR | LAST YEAR | 2 YEARS AGO |
| Hagans Meadow | 8000 | 36 | 3.65 | 3.1 | 2.6 | 3.6 |
| Independence Camp | 7000 | 34 | 6.10 | 5.6 | 6.1 | 5.9 |
| Marlette Lake | 8000 | 50 | 3.70 | 2.7 | 3.1 | 3.4 |
| Truckee #2 | 6400 | 18 | 3.65 | 3.6 | 2.9 | 3.7 |
| Ward Creek | 7000 | 44 | 5.80 | 5.6 | 5.8 | 5.8 |

WATER SUPPLY OUTLOOK

CARSON VALLEY S.C.D., NEVADA
and ALPINE S.C.D., CALIFORNIA



Report prepared by
BOB L. WHALEY and R. E. MALSOR, Jr.
U.S.D.A.-SOIL CONSERVATION SERVICE
P.O. Box 4850, Reno, Nevada
In cooperation with
NEVADA DEPT. OF CONSERVATION
AND NATURAL RESOURCES



LEGEND

- Watershed Boundary
- S. C. District Boundary
- County Boundary
- ▲ Forecast Point
- Snow Course
- † Aerial Marker
- Soil Moisture Station

March 1, 1967

Carson Valley water users can expect a good irrigation season this year if at least average precipitation occurs during the spring and summer.

Water content of the snowpack is 20 percent better than last year at this time and is 121 percent of the March 1 average for the 1948-62 15-year period. Watershed soils under the snow are well primed and should aid spring runoff.

Lahontan Reservoir holds 208,000 acre-feet, or 11 percent above the March 1 average.

Streamflow forecasts indicate 25 to 30 percent above-average flows can be expected during the April-July period. East Carson is forecast to flow 224,000 acre-feet (125%). The West Carson is expected to flow 65,000 acre-feet (125%). The Carson at Carson City is forecast to flow 220,000 acre-feet (130%), and the Carson at Fort Churchill is expected to flow 200,000 acre-feet (129%).

The East Carson is expected to fall to 200 c.f.s. about July 29, 1967.

STORAGE (1,000 Ac. Ft.)

| RESERVOIR | USABLE CAPACITY | MEASURED (First of Month) | | |
|-----------|-----------------|---------------------------|-----------|---------|
| | | THIS YEAR | LAST YEAR | AVERAGE |
| Lahontan | 286 | 208 | 213 | 186 |

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

| FORECAST POINT | FORECAST THIS YEAR | MEASURED LAST YEAR | MEASURED AVERAGE |
|--|--------------------|--------------------|------------------|
| 1. East Carson near Gardnerville | 224 | 127 | 179 |
| 2. West Carson at Woodfords, Calif. | 65 | 37 | 52 |
| 3. Carson River near Carson City | 220 | 95 | 169 |
| 4. Carson River at Fort Churchill | 200 | 80 | 155 |
| Date 200 c.f.s. flow East Carson near Gardnerville | 7/29 | 6/27 | 7/20 |

NOTE :

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

SNOW

March 1, 1967

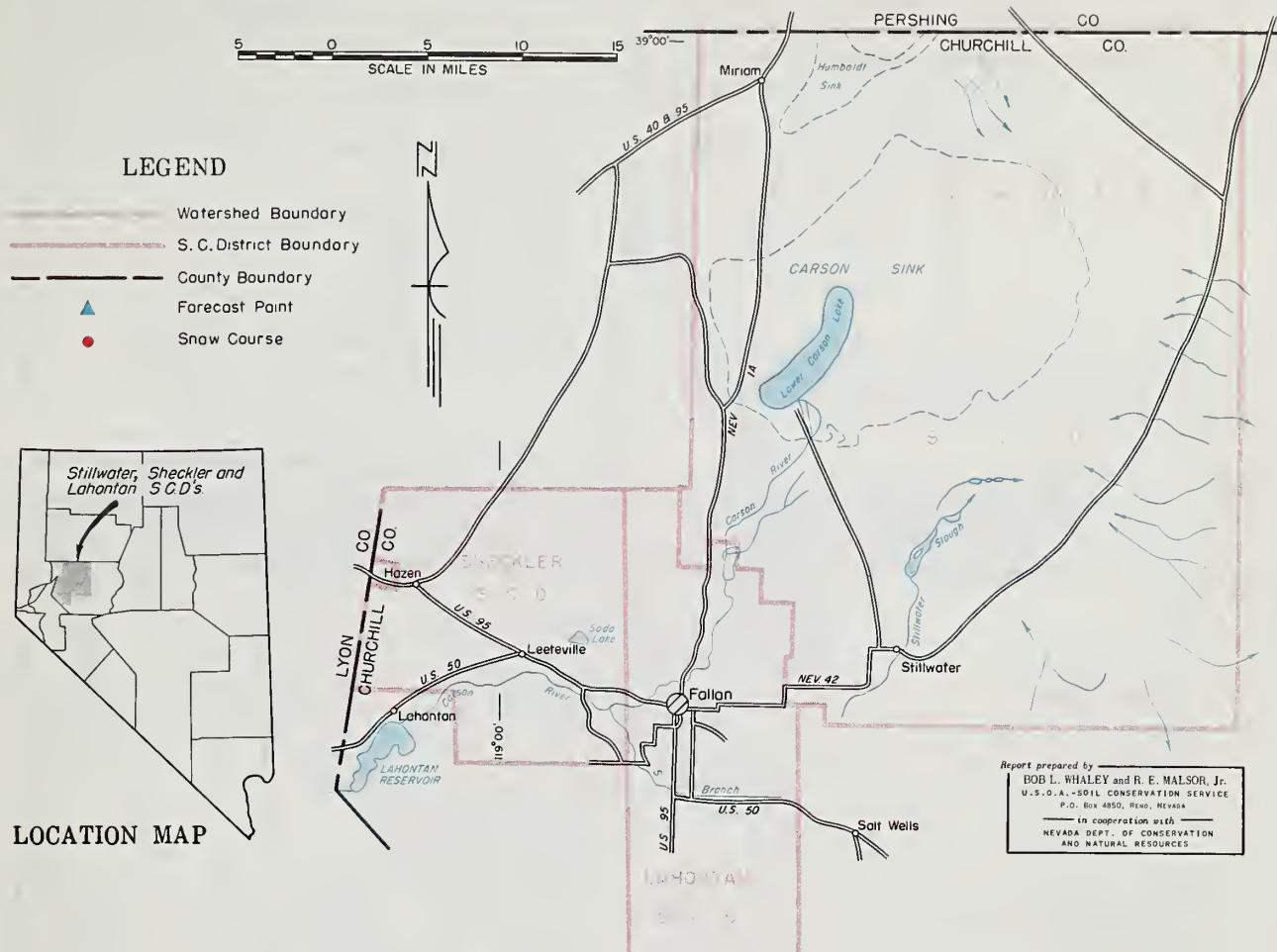
| SNOW COURSE | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------|---------------------|---------------------|------------------------|------------------------|-------|
| | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | |
| NAME | ELEVATION | | LAST YEAR | AVERAGE | |
| Carson Pass, Upper | 8600 | 2/28 | 86 | 35.3 | 27.8 |
| Clear Creek | 7300 | 2/28 | 40 | 14.8 | 13.1 |
| Daggetts Pass | 7350 | 2/27 | 38 | 14.7 | 11.3 |
| Ebbetts Pass | 8700 | Not observed | | --- | --- |
| Echo Summit | 7500 | 3/1 | 84 | 30.8 | 28.9 |
| Glenbrook #2 | 6900 | 2/25 | 42 | 13.9 | 11.7 |
| Marlette Lake | 8000 | 2/27 | 64 | 24.2 | 20.1 |
| Poison Flat | 7900 | 3/1 | 51 | 20.4a | 14.0a |
| Sonora Pass | 8800 | 2/24 | 68 | 25.8 | 21.0 |
| Upper Fish Valley | 8050 | 3/1 | 38 | 15.2a | 17.6a |
| Wet Meadow Lake | 8100 | 3/1 | 75 | 29.2a | 24.5a |
| Wolf Creek | 8000 | 3/1 | 70 | 28.0a | --- |

SOIL MOISTURE

| STATION | PROFILE (Inches) | | | SOIL MOISTURE (Inches) | | |
|---------------|------------------|----------|------|------------------------|-----------|-------------|
| | DEPTH | CAPACITY | DATE | THIS YEAR | LAST YEAR | 2 YEARS AGO |
| NAME | ELEVATION | | | | | |
| Marlette Lake | 8000 | 50 | 3.70 | 2.7 | 3.1 | 3.4 |
| Sonora Pass | 8800 | 48 | 8.30 | 8.3 | 8.3 | 8.3 |

WATER SUPPLY OUTLOOK

STILLWATER, SHECKLER, LAHONTAN S.C.D.'s. & VICINITY
CHURCHILL COUNTY, NEVADA



March 1, 1967

The 1967 water supply outlook for the Fallon area is "near average."

Snow cover on the Tahoe-Truckee-Carson Basins is about 115 percent of average, with individual snow courses ranging from 94 to 143 percent of the March 1 average. Reservoir storage is good. Lake Tahoe held 444,000 acre-feet (112% of average) and Lahontan held 208,000 acre-feet (112% of average) on March 1.

The Carson at Fort Churchill is forecast to flow 200,000 acre-feet during the April-July period, which is 129 percent of average. The Truckee at Farad is expected to flow 310,000 acre-feet, or 115 percent of the 1948-62 15-year average. Lake Tahoe is forecast to rise 1.70 feet after April 1, assuming gates are closed.

STORAGE (1,000 Ac. Ft.)

| RESERVOIR | USABLE CAPACITY | MEASURED (First of Month) | | |
|------------|-----------------|---------------------------|-----------|---------|
| | | THIS YEAR | LAST YEAR | AVERAGE |
| Lake Tahoe | 732 | 444 | 540 | 395 |
| Lahontan | 286 | 208 | 213 | 186 |

NOTE :

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

| FORECAST POINT | FORECAST THIS YEAR | MEASURED LAST YEAR | AVERAGE |
|--|--------------------|--------------------|---------|
| 1. Truckee River at Farad, Calif.** | 310 | 155 | 269 |
| 2. Lake Tahoe rise** (In feet from April 1 assuming gates closed) | 1.70 | .71 | 1.47 |
| 3. Carson River at Fort Churchill | 200 | 80 | 155 |

** Forecasts prepared by Truckee Basin Water Committee

SNOW

March 1, 1967

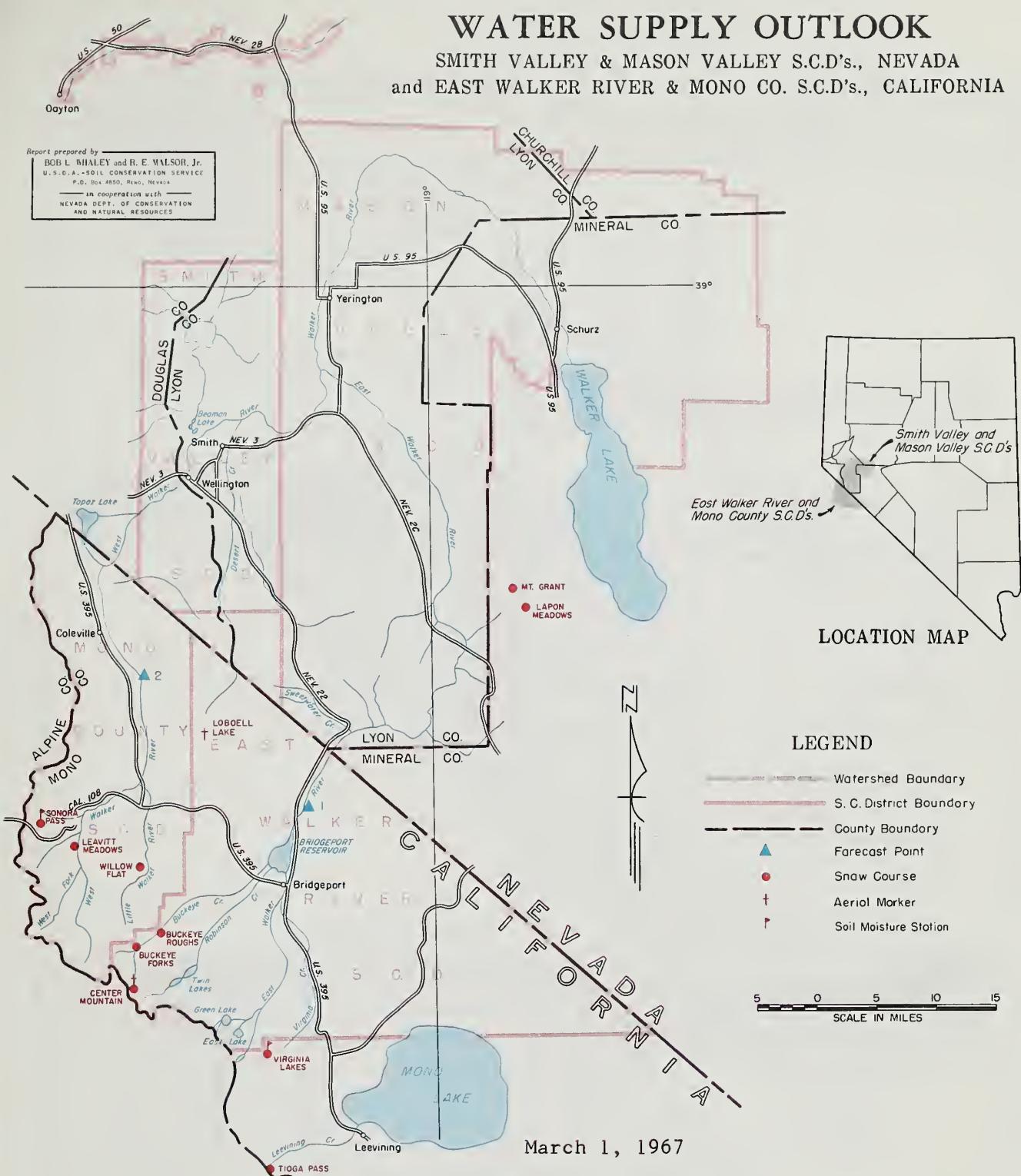
| SNOW COURSE | CURRENT INFORMATION | | | PAST RECORD | | |
|---------------------|---------------------|-----------|----------------|---------------------|------------------------|------------------------|
| | NAME | ELEVATION | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) |
| | | | | | LAST YEAR | AVERAGE |
| TRUCKEE | | | | | | |
| Boca #2 | 5900 | 2/24 | 22 | 6.8 | 7.0 | 7.2* |
| Donner Summit | 6900 | 2/27 | 92 | 38.2 | 34.8 | 33.9 |
| Fordyce Lake | 6500 | 2/27 | 79 | 31.0a | 36.9a | 33.8* |
| Furnace Flat | 6600 | 2/27 | 96 | 43.0a | 41.4a | 39.3* |
| Independence Camp | 7000 | 3/2 | 62 | 25.2 | 22.7 | 20.5* |
| Sage Hen Creek | 6500 | 3/2 | 55 | 22.1 | 17.6 | 17.4* |
| TAHOE | | | | | | |
| Daggetts Pass | 7350 | 2/27 | 38 | 14.7 | 11.3 | 11.2* |
| Echo Summit | 7500 | 3/1 | 84 | 30.8 | 28.9 | 29.8 |
| Hagans Meadow | 8100 | 2/28 | 50 | 20.3 | 15.1 | 16.9* |
| Tahoe City | 6250 | 2/25 | 33 | 13.1 | 12.2 | 11.8 |
| Ward Creek | 7000 | 3/1 | 96 | 41.0 | 35.6 | 38.6* |
| CARSON RIVER | | | | | | |
| Carson Pass, Upper | 8600 | 2/28 | 86 | 35.3 | 27.8 | 28.2 |
| Clear Creek | 7300 | 2/28 | 40 | 14.8 | 13.1 | 12.9* |
| Sonora Pass | 8800 | 2/24 | 68 | 25.8 | 21.0 | 20.2* |

SOIL MOISTURE

| STATION | PROFILE (Inches) | | | SOIL MOISTURE (Inches) | | |
|-------------------|------------------|----------|------|------------------------|-----------|-------------|
| | DEPTH | CAPACITY | DATE | THIS YEAR | LAST YEAR | 2 YEARS AGO |
| NAME | ELEVATION | | | | | |
| Hagans Meadow | 8000 | 36 | 3.65 | 2/28 | 3.1 | 2.6 |
| Independence Camp | 7000 | 34 | 6.10 | 3/2 | 5.6 | 6.1 |
| Marlette Lake | 8000 | 50 | 3.70 | 2/27 | 2.7 | 3.1 |
| Sonora Pass | 8800 | 48 | 8.30 | 2/24 | 8.3 | 8.3 |
| Truckee #2 | 6400 | 18 | 3.65 | 3/3 | 3.6 | 2.9 |
| Ward Creek | 7000 | 49 | 5.80 | 3/1 | 5.6 | 5.8 |

WATER SUPPLY OUTLOOK

SMITH VALLEY & MASON VALLEY S.C.D.'s., NEVADA
and EAST WALKER RIVER & MONO CO. S.C.D.'s., CALIFORNIA



Smith and Mason Valley water users will have good water supplies this year. The snowpack on Walker River is still 136 percent of average, although very little precipitation fell during February. Reservoir storage is average. Topaz held 34,000 acre-feet, and Bridgeport held 28,000 acre-feet on March 1.

The East Walker, near Bridgeport, is forecast to flow 70,000 acre-feet, or 123 percent of its April-August average. The West Walker is expected to flow 175,000 acre-feet, or 125 percent of its April-July average. Last year these streams flowed 38,000 and 98,000 acre-feet respectively.

STORAGE (1,000 Ac. Ft.)

| RESERVOIR | USABLE CAPACITY | MEASURED (First of Month) | | |
|------------|-----------------|---------------------------|-----------|---------|
| | | THIS YEAR | LAST YEAR | AVERAGE |
| Topaz | 59 | 34 | 54 | 34 |
| Bridgeport | 42 | 28 | 34 | 28 |

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. • 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

| FORECAST POINT | FORECAST THIS YEAR | MEASURED LAST YEAR | MEASURED AVERAGE |
|--|--------------------|--------------------|------------------|
| 1. East Walker near Bridgeport, Calif. ** | 70 | 38 | 57 |
| 2. West Walker below E. Fk. near Coleville, Calif. | 175 | 98 | 140 |
| ** April-August runoff corrected for change in Bridgeport Reservoir. | | | |

SNOW

March 1, 1967

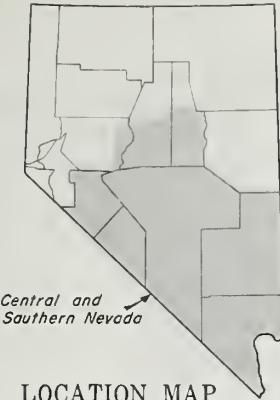
| SNOW COURSE | CURRENT INFORMATION | | | PAST RECORD | | |
|-----------------|---------------------|-----------|----------------|---------------------|------------------------|------------------------|
| | NAME | ELEVATION | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) |
| | | | | | LAST YEAR | AVERAGE |
| Center Mountain | 9400 | 3/1 | 104 | 40.6 | 30.0a | --- |
| Lobdell Lake | 9200 | 3/1 | 51 | 19.9 | 14.7a | --- |
| Sonora Pass | 8800 | 2/24 | 68 | 25.8 | 21.0 | 20.2* |
| Virginia Lakes | 9500 | 2/24 | 60 | 23.2 | 15.2 | 15.9* |

SOIL MOISTURE

| STATION | PROFILE (Inches) | | SOIL MOISTURE (Inches) | | | | |
|-------------|------------------|-----------|------------------------|----------|------|-----------|-------------|
| | NAME | ELEVATION | DEPTH | CAPACITY | DATE | THIS YEAR | LAST YEAR |
| | | | | | | | 2 YEARS AGO |
| Sonora Pass | | 8800 | 48 | 8.30 | 2/24 | 8.3 | 8.3 |

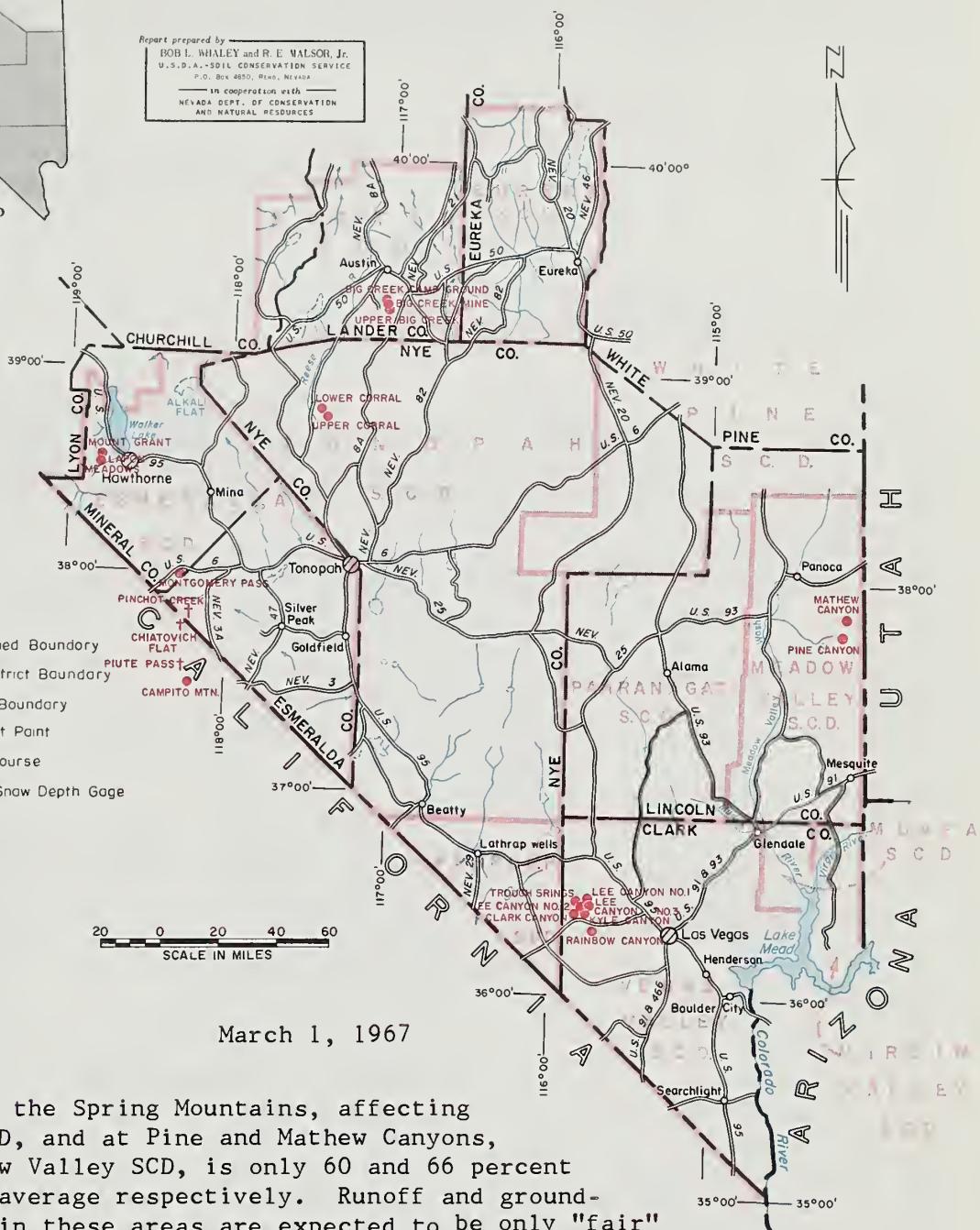
WATER SUPPLY OUTLOOK

CHURCHILL, CLARK, ESMERALDA, EUREKA, LANDER,
LINCOLN, MINERAL and NYE COUNTIES, NEVADA



LOCATION MAP

Report prepared by
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In cooperation with
NEVADA DEPT. OF CONSERVATION
AND NATURAL RESOURCES



The snowpack on the Spring Mountains, affecting Vegas Valley SCD, and at Pine and Mathew Canyons, affecting Meadow Valley SCD, is only 60 and 66 percent of the March 1 average respectively. Runoff and ground-water recharge in these areas are expected to be only "fair" this year.

The Virgin River at Virgin, Utah, is forecast to flow 34,000 acre-feet, or 79 percent of average for the April-June period.

Measurements of snow cover affecting Austin, Tonopah, and Esmeralda SCD's show water contents near average or a little better than average for this time of year. Streamflow and ground-water recharge in these areas are expected to be "near average."

STORAGE (1,000 Ac. Ft.)

| RESERVOIR | USABLE CAPACITY | MEASURED (First of Month) | | |
|--------------------------|-----------------|---------------------------|-----------|---------|
| | | THIS YEAR | LAST YEAR | AVERAGE |
| Mohave | 1,810 | 1,662 | 1,699 | 1,357** |
| Mead | 27,220 | 15,617 | 15,589 | 17,037 |
| ** Storage began in 1950 | | | | |

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

| FORECAST POINT | FORECAST THIS YEAR | MEASURED LAST YEAR | MEASURED AVERAGE |
|--|--------------------|--------------------|------------------|
| Virgin at Virgin, Utah | 34 | 39 | 43 |
| April-June forecast by SCS, Salt Lake City, Utah | | | |

NOTE:

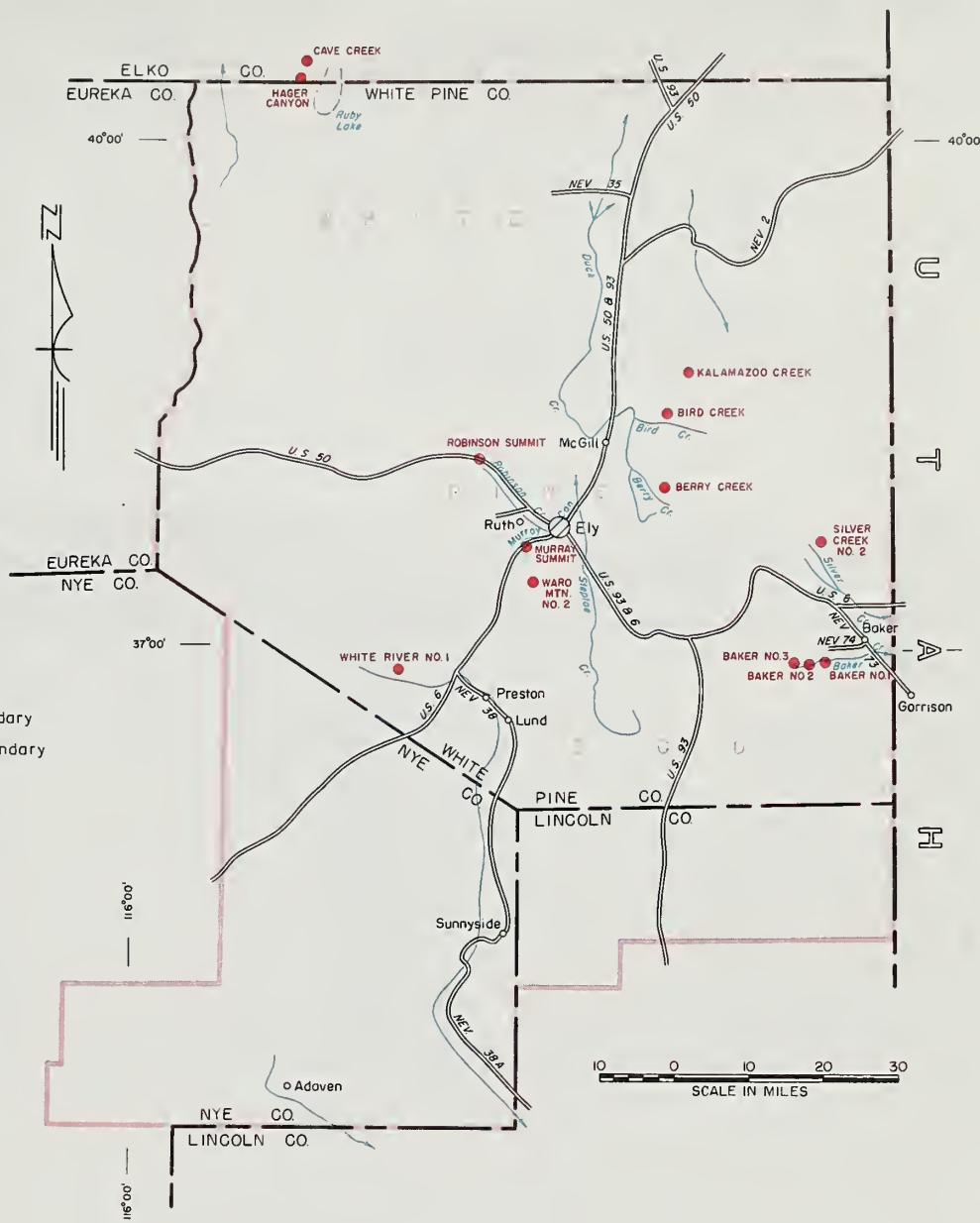
All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

SNOW

| SNOW COURSE | NAME | ELEVATION | CURRENT INFORMATION | | | PAST RECORD | |
|-----------------------|------|-----------|---------------------|---------------------|------------------------|------------------------|-----------|
| | | | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | LAST YEAR |
| AUSTIN SCD | | | | | | | |
| Big Creek Camp Ground | | 6600 | 2/27 | T | T | 3.0 | 1.9* |
| Big Creek Mine | | 7600 | 2/27 | 17 | 5.2 | 3.5 | 3.7* |
| Upper Big Creek | | 7800 | 2/27 | 22 | 5.7 | 3.8 | 5.8* |
| TONOPAH SCD | | | | | | | |
| Lower Corral | | 7500 | 2/26 | 4 | 1.5 | 2.0 | 1.4* |
| Upper Corral | | 8500 | 2/26 | 18 | 5.6 | 4.1 | 4.5* |
| ESMERALDA SCD | | | | | | | |
| Campito | | 10,200 | 2/28 | 31 | 10.7 | 2.7 | 7.4* |
| Chiatovich Flat | | 10,500 | 3/1 | 25 | 8.8a | 1.0 | --- |
| Montgomery Pass | | 7,100 | 2/28 | T | T | 1.4 | 1.9* |
| Pinchot Creek | | 9,300 | 3/1 | 0 | 0.0a | 0.5 | --- |
| Piute Pass | | 11,700 | 3/1 | 25 | 8.8a | 1.5 | --- |
| VEGAS VALLEY SCD | | | | | | | |
| Clark Canyon | | 9000 | 2/27 | 12 | 3.8 | 9.6 | 7.1* |
| Kyle Canyon | | 8200 | 2/28 | 14 | 5.8 | 11.5 | 8.9 |
| Lee Canyon #1 | | 8300 | | Discontinued | | 8.3 | 7.6 |
| Lee Canyon #2 | | 9000 | 2/28 | 17 | 6.6 | 11.5 | 8.4 |
| Lee Canyon #3 | | 8400 | 2/28 | 11 | 4.4 | 8.8 | --- |
| Rainbow Canyon #2 | | 8100 | 2/28 | 20 | 7.6 | 17.0 | 13.2 |
| Trough Springs | | 8500 | 2/27 | 7 | 2.5 | 7.3 | 6.1 |
| MEADOW VALLEY SCD | | | | | | | |
| Mathew Canyon | | 6200 | 2/28 | 1 | 0.3 | 1.1 | 2.0* |
| Pine Canyon | | 6000 | 2/28 | 5 | 2.4 | 2.5 | 2.1* |

WATER SUPPLY OUTLOOK

WHITE PINE S.C.D., WHITE PINE, LINCOLN & NYE COUNTIES, NEVADA



March 1, 1967

Water content of the White Pine County snowpack is 97 percent of the March 1 average. This is just slightly better than last year at this time. The Snake range, near Baker, is 105 percent of average, and the Schell Creek range, near McGill, is 114 percent of average, compared with 80 percent at this time last year. Average to a little better than average streamflow is expected in these areas this year.

Two snow courses, affecting flows into the Ruby Wildlife Refuge, are 90 percent of their March 1 average. Flow of streams in this area is expected to be slightly less than average this year.

STORAGE (1,000 Ac. Ft.)

| RESERVOIR | USABLE CAPACITY | MEASURED (First of Month) | | |
|-----------|-----------------|---------------------------|-----------|---------|
| | | THIS YEAR | LAST YEAR | AVERAGE |
| | | | | |

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

| FORECAST POINT | FORECAST THIS YEAR | MEASURED | |
|----------------|--------------------|-----------|---------|
| | | LAST YEAR | AVERAGE |
| | | | |

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

SNOW

| SNOW COURSE | NAME | ELEVATION | CURRENT INFORMATION | | | PAST RECORD | |
|------------------|------|-----------|---------------------|---------------------|------------------------|------------------------|-----------|
| | | | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | LAST YEAR |
| Baker #1 | | 7950 | 2/28 | 24 | 5.9 | 6.0 | 5.9 |
| Baker #2 | | 8950 | 2/28 | 45 | 13.1 | 11.3 | 13.5 |
| Baker #3 | | 9250 | 2/28 | 50 | 15.9 | 13.0 | 15.1 |
| Berry Creek | | 9100 | 2/27 | 40 | 11.5 | 9.7 | 12.6 |
| Bird Creek | | 7500 | 2/27 | 23 | 6.0 | 3.7 | 4.0 |
| Cave Creek | | 7500 | 2/28 | 36 | 12.0 | 16.7 | 13.5 |
| Hager Canyon | | 8000 | 2/28 | 46 | 16.5 | 18.2 | 18.0 |
| Kalamazoo Creek | | 7400 | 3/1 | 31 | 9.6 | 5.5 | 7.1* |
| Murray Summit | | 7250 | 2/24 | 13 | 3.3 | 3.2 | 3.3 |
| Robinson Summit | | 7600 | 3/2 | 11 | 3.0 | 3.9 | 3.2* |
| Silver Creek #2 | | 8000 | 3/1 | 25 | 6.1 | 3.3 | 4.5* |
| Ward Mountain #2 | | 8900 | 2/24 | 35 | 10.4 | 10.6 | 16.7* |
| White River #1 | | 7400 | 2/24 | 9 | 3.3 | 3.6 | 2.9* |

WATER SUPPLY OUTLOOK

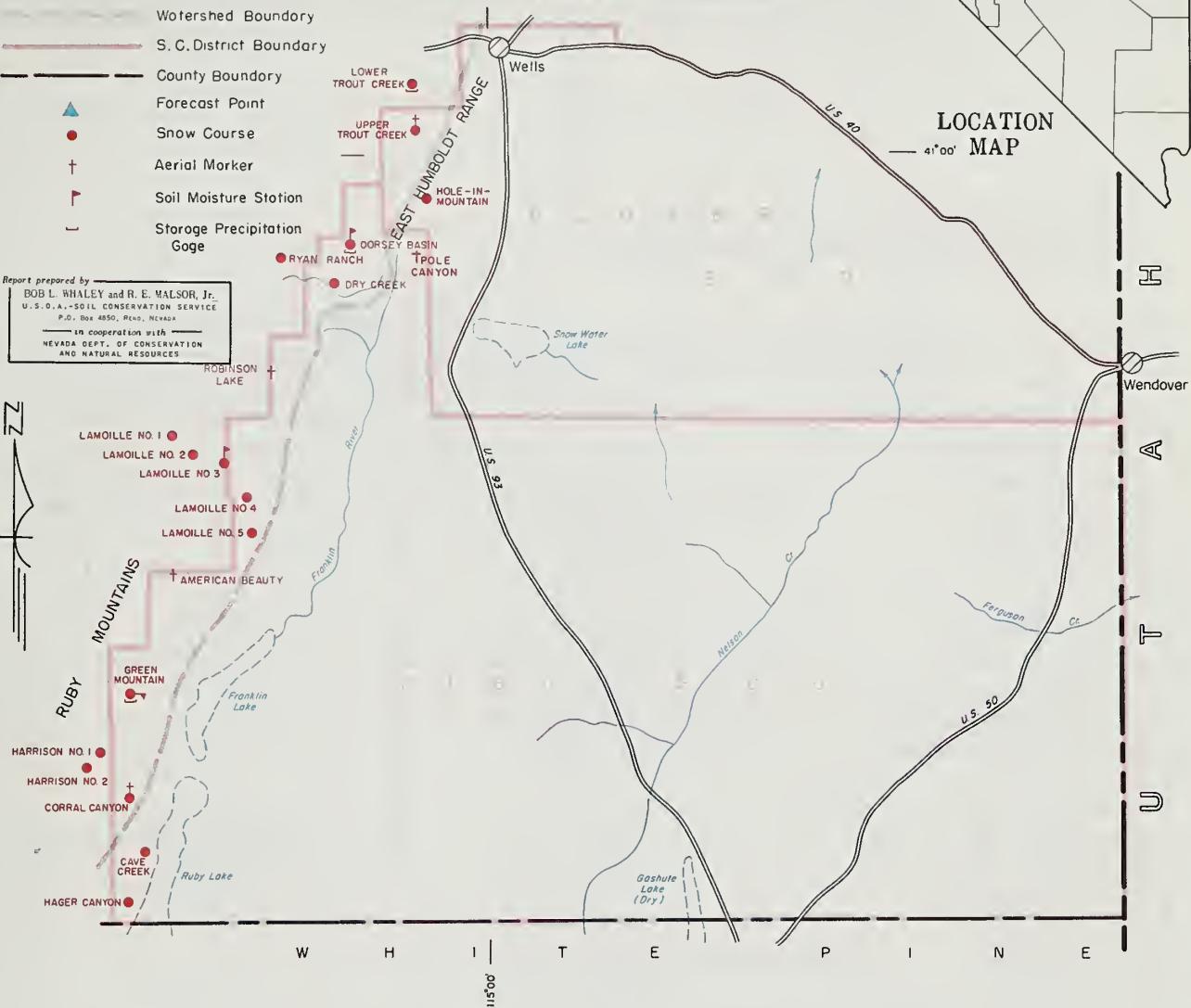
CLOVER & RUBY S.C.D.'S., ELKO COUNTY, NEVADA

LEGEND

10 0 10 20
SCALE IN MILES

- Watershed Boundary
- S. C. District Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker
- Soil Moisture Station
- Storage Precipitation Gage

Report prepared by
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in cooperation with
NEVADA DEPT. OF CONSERVATION
AND NATURAL RESOURCES



March 1, 1967

Clover and Ruby SCD's 1967 irrigation water supplies are expected to be "fair" to "near average."

The mountain snowpack is 85 percent of average over all, with high elevation snow near average and lower elevations well below the 1948-62 average.

Streams heading at higher elevations are expected to hold up well into the summer, but low-elevation streams will recede earlier than usual, unless above average precipitation occurs during the remainder of the spring and summer period.

STORAGE (1,000 Ac. Ft.)

| RESERVOIR | USABLE CAPACITY | MEASURED (First of Month) | | |
|-----------|-----------------|---------------------------|-----------|---------|
| | | THIS YEAR | LAST YEAR | AVERAGE |
| | | | | |

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

| FORECAST POINT | FORECAST THIS YEAR | MEASURED | |
|----------------|--------------------|-----------|---------|
| | | LAST YEAR | AVERAGE |
| | | | |

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

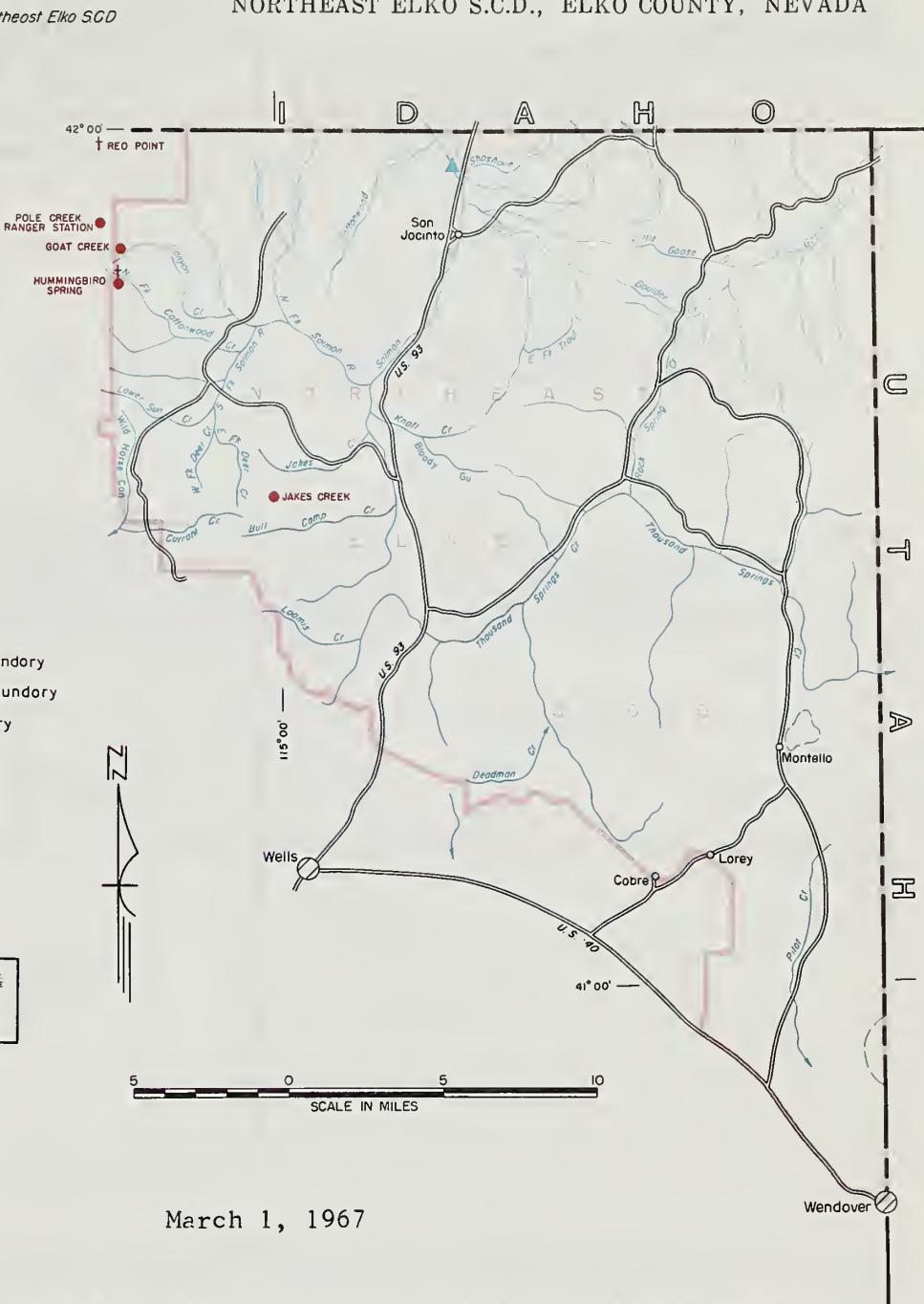
SNOW

March 1, 1967

| SNOW COURSE | CURRENT INFORMATION | | | PAST RECORD | | |
|--------------------|---------------------|-----------|----------------|---------------------|------------------------|------------------------|
| | NAME | ELEVATION | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) |
| | | | | | | LAST YEAR |
| | | | | | | AVERAGE |
| American Beauty | 7800 | 2/26 | 27 | 8.8a | 7.2a | --- |
| Cave Creek | 7500 | 2/28 | 36 | 12.0 | 16.7 | 13.5 |
| Corral Canyon | 8500 | 2/26 | 27 | 9.4a | 7.7a | 16.0* |
| Dorsey Basin | 8100 | 2/27 | 36 | 10.2 | 8.4 | 10.5 |
| Dry Creek | 6500 | 2/27 | 12 | 3.7 | 5.7 | 4.6 |
| Green Mountain | 8000 | 2/28 | 32 | 9.6 | 10.6 | 11.8* |
| Hager Canyon | 8000 | 2/28 | 46 | 16.5 | 18.2 | 18.0 |
| Harrison Pass #1 | 6600 | 2/28 | 15 | 4.1 | 5.2 | 4.2 |
| Harrison Pass #2 | 7400 | 2/28 | 22 | 6.0 | 6.3 | 5.9* |
| Hole-in-Mountain | 7900 | 3/2 | 48 | 19.0 | 12.6 | 17.6* |
| Lamoille #1 | 7100 | 2/27 | 32 | 9.6 | 9.3 | 9.3 |
| Lamoille #2 | 7300 | 2/27 | 30 | 8.8 | 9.0 | 8.8 |
| Lamoille #3 | 7700 | 2/27 | 36 | 11.6 | 9.2 | 11.4 |
| Lamoille #4 | 8000 | 2/27 | 52 | 17.3 | 13.1 | 16.6 |
| Lamoille #5 | 8700 | 2/27 | 59 | 21.8 | 17.1 | 24.3* |
| Pole Canyon | 9140 | 2/26 | 9 | 2.7a | 1.3a | --- |
| Ryan Ranch | 5800 | 2/27 | T | T | 4.0 | 1.9 |
| Trout Creek, Lower | 6900 | 3/1 | 15 | 3.9 | 5.6 | 3.1* |
| Trout Creek, Upper | 8500 | 2/26 | 12 | 4.2a | 11.6a | 18.7* |
| Robinson Lake | 9200 | 2/26 | 63 | 22.0a | 19.0a | --- |

WATER SUPPLY OUTLOOK

NORTHEAST ELKO S.C.D., ELKO COUNTY, NEVADA



LEGEND

- Watershed Boundary
- S.C. District Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker

Report prepared by
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 in cooperation with
 NEVADA DEPT. OF CONSERVATION
 AND NATURAL RESOURCES

Salmon Falls Creek drainage is expected to produce below average streamflow for this year's irrigation season.

The mountain snowpack is near average, but watershed soils are a little drier than last year and will absorb some snow-melt water.

Streamflow forecasts for the Salmon Falls Creek, near San Jacinto, are as follows:

| | | |
|-----------------|------------------|-----------------------|
| March-July | 53,000 Acre-feet | 70 percent of average |
| March-September | 55,000 Acre-feet | 70 percent of average |

STORAGE (1,000 Ac. Ft.)

| RESERVOIR | USABLE CAPACITY | MEASURED (First of Month) | | |
|-----------|-----------------|---------------------------|-----------|---------|
| | | THIS YEAR | LAST YEAR | AVERAGE |
| | | | | |

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted, a-Aerial marker; water content estimated. • 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

| FORECAST POINT | FORECAST THIS YEAR | MEASURED | |
|--|--------------------|-----------|---------|
| | | LAST YEAR | AVERAGE |
| Salmon Falls Creek near San Jacinto | | | |
| March-September | 55 | 36 | 78 |
| March-July | 53 | 33 | 76 |
| Forecasts issued by SCS, Boise, Idaho | | | |

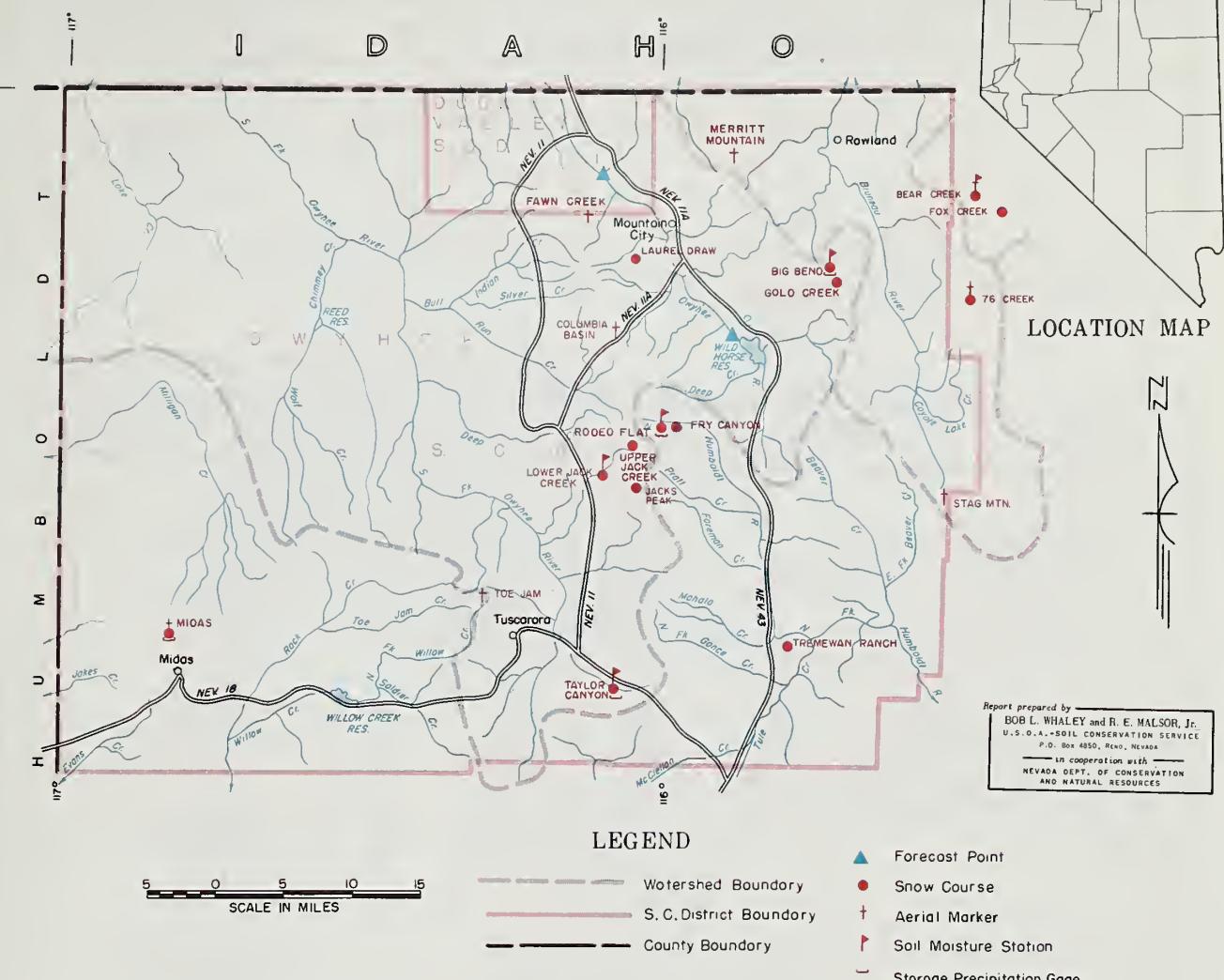
SNOW

March 1, 1967

| SNOW COURSE | CURRENT INFORMATION | | | PAST RECORD | | | | |
|---------------------------|---------------------|----------------|----------------|---------------------|------------------------|------------------------|-----------|---------|
| | NAME | ELEVATION | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | LAST YEAR | AVERAGE |
| Goat Creek | 8800 | 2/27 | 44 | 15.2 | 11.8 | 15.9* | | |
| Hummingbird Springs | 8945 | 2/27 | 56 | 19.4 | 14.3 | 18.4* | | |
| Jakes Creek | 7000 | Report delayed | | | --- | 4.0* | | |
| Pole Creek Ranger Station | 8330 | 2/27 | 47 | 16.3 | 12.8 | 15.7* | | |
| Red Point | 7940 | 2/27 | 28 | 10.0 | 9.3 | --- | | |

WATER SUPPLY OUTLOOK

DUCK VALLEY & Owyhee S.C.D.'s. ELKO COUNTY, NEVADA



March 1, 1967

Duck Valley and Owyhee SCD's are expected to have a below average irrigation water supply again this season.

The water content of the snow pack is better than last year and about 92 percent of the March 1 average, but storage in Wild Horse Reservoir is well below average.

Watershed soils are fairly well primed and should not soak up much snow-melt water as runoff begins.

Streamflow forecasts indicate below average flows can be expected on all streams. The Owyhee, near Gold Creek, is forecast to flow 15,000 acre-feet, or 68 percent of the 1948-62 average for the April through July irrigation season. The Owyhee, near Owyhee, is expected to flow 50,000 acre-feet, or 68 percent of average. These two stations had April-July flows of 6,000 and 21,000 acre-feet respectively last year, when precipitation during the forecast period fell to near record lows.

STORAGE (1,000 Ac. Ft.)

| RESERVOIR | USABLE CAPACITY | MEASURED (First of Month) | | |
|------------|-----------------|---------------------------|-----------|---------|
| | | THIS YEAR | LAST YEAR | AVERAGE |
| Wild Horse | 33 | 3 | 17 | 14 |

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

| FORECAST POINT | FORECAST THIS YEAR | MEASURED LAST YEAR | MEASURED AVERAGE |
|------------------------------------|--------------------|--------------------|------------------|
| 1. Owyhee River near Owyhee ** | 50 | 21 | 74 |
| 2. Owyhee River near Gold Creek ** | 15 | 6 | 22 |

** Corrected for change in storage in Wild Horse Reservoir.

SNOW

March 1, 1967

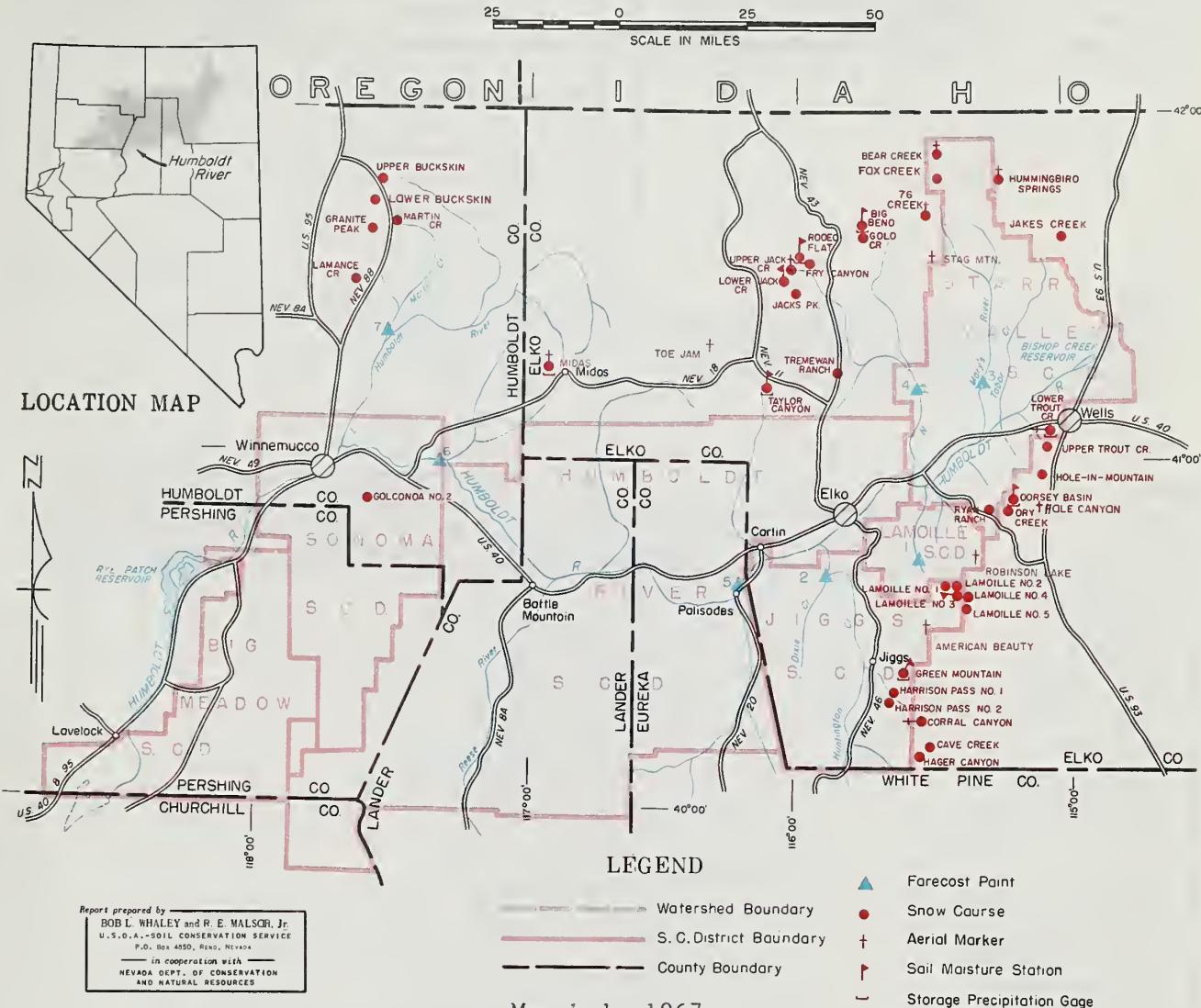
| SNOW COURSE | CURRENT INFORMATION | | | PAST RECORD | |
|-------------------|---------------------|-----------|----------------|---------------------|------------------------|
| | NAME | ELEVATION | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) |
| | | | | LAST YEAR | AVERAGE |
| Bear Creek | 7800 | 2/27 | 51 | 18.1 | 11.9 |
| Big Bend | 6700 | 2/24 | 25 | 6.5 | 5.5 |
| Columbia Basin | 6650 | 2/26 | 27 | 8.1a | 5.2a |
| Fawn Creek | 7000 | 2/26 | 21 | 6.5a | 3.8a |
| Fox Creek | 6800 | 2/27 | 30 | 9.1 | 8.5 |
| Fry Canyon | 6700 | 2/24 | 23 | 6.9 | 6.5 |
| Gold Creek | 6600 | 2/24 | 16 | 4.6 | 3.1 |
| Jack Creek, Upper | 7250 | 2/26 | 22 | 6.6a | 5.5a |
| Laurel Draw | 6700 | 2/23 | 25 | 7.7 | 6.2 |
| Merritt Mountain | 7800 | 2/26 | 30 | 7.8a | T a |
| Midas | 7200 | 2/26 | 10 | 3.2a | T a |
| Rodeo Flat | 6800 | 2/24 | 17 | 4.9 | 5.0 |
| 76 Creek | 7100 | 2/27 | 31 | 9.6 | 5.9a |
| Stag Mountain | 7700 | 2/26 | 21 | 6.1a | 2.6a |
| Taylor Canyon | 6200 | 2/25 | 23 | 6.5 | 5.4 |
| Toe Jam | 7700 | 2/26 | 34 | 10.0a | 7.5a |
| Tremewan Ranch | 5700 | 2/25 | 9 | 3.0 | 3.0 |
| | | | | | 1.4 |

SOIL MOISTURE

| STATION | PROFILE (Inches) | | SOIL MOISTURE (Inches) | | | |
|---------------|------------------|----------|------------------------|-----------|-----------|-------------|
| | DEPTH | CAPACITY | DATE | THIS YEAR | LAST YEAR | 2 YEARS AGO |
| NAME | ELEVATION | | | | | |
| Bear Creek | 7800 | 72 | 16.9 | 2/27 | 8.7 | 11.0 |
| Big Bend | 6700 | 48 | 16.1 | 2/24 | 15.1 | 15.1 |
| Rodeo Flat | 6800 | 42 | 11.0 | 2/24 | 10.5 | 10.6 |
| Taylor Canyon | 6200 | 48 | 15.1 | 3/6 | 12.2 | 12.4 |

WATER SUPPLY OUTLOOK

HUMBOLDT RIVER
CHURCHILL, ELKO, EUREKA, HUMBOLDT, LANDER & PERSHING COUNTIES, NEVADA



Lovelock Valley water users can expect below-average water supply this season and should practice good irrigation water management to conserve as much water as possible. The water content of the snowpack in the Humboldt Basin is 89 percent of the March 1 average and is only 4 percent better than last year at this time. Rye Patch Reservoir held 73,000 acre-feet on March 1, compared with 179,000 a year ago and a 15-year average of 63,000 acre-feet.

Streamflow forecasts for the April-July period are as follows: Humboldt at Comus, 74,000 acre-feet (58%); Humboldt at Palisade 115,000 acre-feet (66%); South Fork Humboldt near Elko 46,000 acre-feet (77%); North Fork Humboldt 27,000 acre-feet (79%); and Lamoille Creek forecast is 25,000 acre-feet, 96 percent of its April-July average. The Marys River is forecast to flow 26,000 acre-feet, or 76 percent of average.

The Pershing County Water Conservancy District set an initial allotment of 1.5 acre-feet for water users under the Rye Patch Reservoir. This allotment is subject to revision if more water becomes available as the season progresses. Water users on natural streamflow are expected to have late season shortages again this year, unless above-average precipitation occurs during the summer.

STORAGE (1,000 Ac. Ft.)

| RESERVOIR | USABLE CAPACITY | MEASURED (First of Month) | | |
|-----------|-----------------|---------------------------|-----------|---------|
| | | THIS YEAR | LAST YEAR | AVERAGE |
| Rye Patch | 179 | 73 | 179 | 63 |

NOTE:

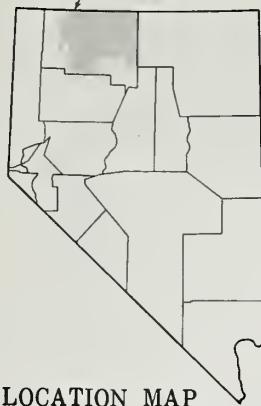
All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. *Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

| FORECAST POINT | FORECAST THIS YEAR | MEASURED LAST YEAR | MEASURED AVERAGE |
|--|--------------------|--------------------|------------------|
| 1. Lamoille Creek near Lamoille | 25 | 7 | 26 |
| 2. S. Fk. Humboldt River near Elko | 46 | 11 | 60 |
| 3. Marys River above Hot Springs Creek | 26 | 11 | 34 |
| 4. No. Fk. Humboldt at Devils Gate | 27 | 7 | 34 |
| 5. Humboldt River at Palisade | 115 | 54 | 173 |
| 6. Humboldt River at Comus | 74 | 40 | 127 |
| 7. Martin Creek near Paradise Valley | 12 | 5 | 17 |

SNOW

| SNOW COURSE | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------|---------------------|---------------------|------------------------|------------------------|-------|
| | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | |
| NAME | ELEVATION | | LAST YEAR | AVERAGE | |
| Big Bend | 6700 | 2/24 | 25 | 5.5 | 8.5 |
| Fawn Creek | 7000 | 2/26 | 21 | 3.8a | --- |
| Fry Canyon | 6700 | 2/24 | 23 | 6.5 | 7.8 |
| Gold Creek | 6600 | 2/24 | 16 | 4.6 | 3.1 |
| Rodeo Flat | 6800 | 2/24 | 17 | 4.9 | 5.0 |
| 76 Creek | 7100 | 2/27 | 31 | 9.6 | 5.9a |
| Stag Mountain | 7700 | 2/26 | 21 | 6.1a | 2.6a |
| Taylor Canyon | 6200 | 2/25 | 23 | 6.5 | 5.4 |
| Tremewan Ranch | 5700 | 2/25 | 9 | 3.0 | 1.4 |
| American Beauty | 7800 | 2/26 | 27 | 8.8a | 7.2a |
| Cave Creek | 7500 | 2/28 | 46 | 16.5 | 16.7 |
| Corral Canyon | 8500 | 2/26 | 27 | 9.4a | 7.7a |
| Dorsey Basin | 8100 | 2/27 | 36 | 10.2 | 8.4 |
| Dry Creek | 6500 | 2/27 | 12 | 3.7 | 5.7 |
| Green Mountain | 8000 | 2/28 | 32 | 9.6 | 10.6 |
| Hager Canyon | 8000 | 2/28 | 46 | 16.5 | 18.2 |
| Harrison Pass #1 | 6600 | 2/28 | 15 | 4.1 | 5.2 |
| Harrison Pass #2 | 7400 | 2/28 | 22 | 6.0 | 6.3 |
| Hole-in-Mountain | 7900 | 3/2 | 48 | 19.0 | 12.6 |
| Lamoille #1 | 7100 | 2/27 | 32 | 9.6 | 9.3 |
| Lamoille #2 | 7300 | 2/27 | 30 | 8.8 | 9.0 |
| Lamoille #3 | 7700 | 2/27 | 36 | 11.6 | 9.2 |
| Lamoille #4 | 8000 | 2/27 | 52 | 17.3 | 13.1 |
| Lamoille #5 | 8700 | 2/27 | 59 | 21.8 | 17.1 |
| Pole Canyon | 9140 | 2/26 | 9 | 2.7a | 1.3 |
| Robinson Lake | 9200 | 2/26 | 63 | 22.0a | 19.0a |
| Ryan Ranch | 5800 | 2/27 | T | 4.0 | 1.9 |
| Trout Creek, Lower | 6900 | 3/1 | 15 | 3.9 | 5.6 |
| Trout Creek, Upper | 8500 | 2/26 | 12 | 4.2a | 11.6a |
| Golconda #2 | 6000 | 2/28 | 12 | 4.4 | 5.6 |
| Midas | 7200 | 2/26 | 10 | 3.2a | T a |



WATER SUPPLY OUTLOOK

KINGS RIVER, PARADISE VALLEY & QUINN RIVER S.C.D.'S.
HUMBOLDT COUNTY, NEVADA

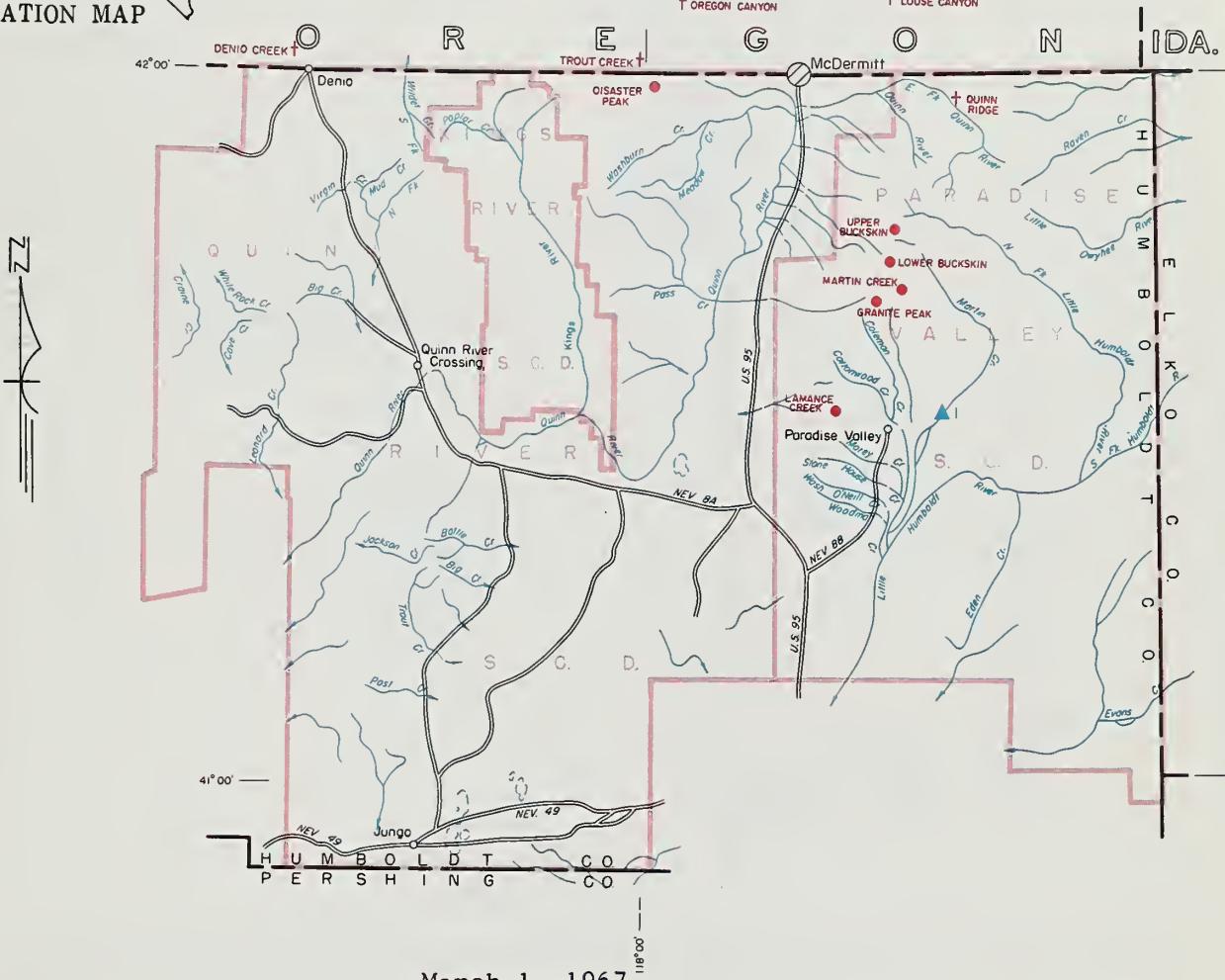
0 0 10 20
SCALE IN MILES

LEGEND

- Watershed Boundary
- S. C. District Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker

Report prepared by
BOB L. WHALEY and R. E. MALSON, Jr.
U.S.D.A.-SOIL CONSERVATION SERVICE
P.O. Box 4650, Reno, Nevada
in cooperation with
NEVADA DEPT. OF CONSERVATION
AND NATURAL RESOURCES

LOCATION MAP



March 1, 1967

The water supply outlook for the coming irrigation season in Paradise Valley is "below average" again this year.

Water content of the snowpack on the Santa Rosa Mountains is better than last year at this time, but streamflow forecasts still are well below average.

Martin Creek is forecast to flow 12,000 acre-feet during the April-July period, or 71 percent of average for the 1948-62 period. Late season shortages are expected, if the below average precipitation continues during the forecast period.



WATER SUPPLY OUTLOOK

VYA & GERLACH S.C.D.'S., NEVADA and SURPRISE VALLEY S.C.D., CALIFORNIA



LOCATION MAP

Report prepared by
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P.O. Box 4850, Reno, Nevada
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NEVADA DEPT. OF CONSERVATION
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10 0 10 20
SCALE IN MILES



LEGEND

- Watershed Boundary
- S. C. District Boundary
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March 1, 1967

The 1967 water supply outlook for Surprise Valley is only "fair" again this season.

Water content of the snowpack in Surprise Valley and Vya SCD's is 95 percent of average and 20 percent better than last year at this time.

Streamflow for the April-September period is expected to be less than usual, with Bidwell Creek forecast to flow 10,500 acre-feet, or 73 percent of average. Mill Creek forecast is 4,100 acre-feet, or 75 percent. Eagle Creek is expected to flow 4,000 acre-feet, or 77 percent of average. Deep Creek is forecast to flow 2,700 acre-feet, or 71 percent of average.

Cederville precipitation for the October-February period was 7.51 inches compared with 3.94 inches last year and an average of 7.56 inches.

STORAGE (1,000 Ac. Ft.)

| RESERVOIR | USABLE CAPACITY | MEASURED (First of Month) | | |
|-----------|-----------------|---------------------------|-----------|---------|
| | | THIS YEAR | LAST YEAR | AVERAGE |
| | | | | |

APRIL-JULY RUNOFF (1,000 Ac. Ft.)

| FORECAST POINT | FORECAST THIS YEAR | MEASURED LAST YEAR | MEASURED AVERAGE |
|----------------------------------|--------------------|--------------------|------------------|
| Bidwell Creek near Fort Bidwell | 10.5 | ** | 14.3* |
| Mill Creek above all diversions | 4.1 | 2.3 | 5.5 |
| Deep Creek above all diversions | 2.7 | 1.6 | 3.8 |
| Eagle Creek near mouth of canyon | 4.0 | ** | 5.2 |

Note: April-Sept. forecasts.

Coordinated forecasts of SCS and California Dept. of Water Resources Snow Survey Units.

SNOW

March 1, 1967

| SNOW COURSE | CURRENT INFORMATION | | | PAST RECORD | | |
|----------------------------|---------------------|-----------|----------------|---------------------|------------------------|------------------------|
| | NAME | ELEVATION | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) |
| Bald Mountain | 6720 | 2/28 | 14 | 4.8 | 2.7 | 3.5 |
| Barber Creek (Calif.) | 6500 | 2/27 | 32 | 10.4 | 7.6 | 10.5* |
| Cedar Pass (Calif.) | 7100 | 2/27 | 41 | 11.8 | 10.5 | 13.8 |
| Dismal Swamp (Oregon) | 7000 | 2/27 | 40 | 15.2a | 10.4a | 15.8* |
| 49 Mountain | 6000 | 2/24 | 15 | 5.0 | 3.4 | 4.3* |
| Hays Canyon | 6400 | 2/24 | 12 | 4.1 | 2.3 | 3.8* |
| Little Bally Mountain | 6000 | 2/27 | 7 | 2.3a | 3.2a | --- |
| Reservation Creek (Calif.) | 5900 | 2/27 | 26 | 8.0 | 9.4 | 10.4* |

Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

Agricultural Research Service
Army
Bureau of Reclamation
Fish and Wildlife Service
Forest Service
Geological Survey
Navy
Soil Conservation Service
U.S. District Court - Federal Water Master
Weather Bureau

STATE

California Cooperative Snow Surveys
California Department of Parks and Recreation
California Department of Water Resources
Colorado River Commission of Nevada
Nevada Association of Soil Conservation Districts
Nevada Cooperative Snow Surveys
Nevada Department of Conservation & Natural Resources
Division of Water Resources
Nevada State Forester-Firewarden
Oregon Cooperative Snow Surveys
University of Nevada
White Mountain Research Station, Univ. of California

PRIVATE

Amalgamated Sugar Company
Kennebott Copper Corporation
Nevada Irrigation District
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Pacific Gas & Electric Company
Pershing County Water Conservation District
Sierra Pacific Power Company
Squaw Valley Development Company
Truckee-Carson Irrigation District
Virginia City Water Company
Walker River Irrigation District
Washoe County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

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**FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEYS**

—
Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

—
*"The Conservation of Water begins
with the Snow Survey"*